# THE GEOGRAPHICAL JOURNAL

VOLUME CXXVIII
JANUARY TO DECEMBER
1962

PUBLISHED UNDER THE AUTHORITY OF THE COUNCIL
EDITED BY THE DIRECTOR AND SECRETARY

THE ROYAL GEOGRAPHICAL SOCIETY
KENSINGTON GORE LONDON S.W.7
JOHN MURRAY 50 ALBEMARLE STREET W.1.

# ROYAL GEOGRAPHICAL SOCIETY

*Patron*
HER MAJESTY THE QUEEN

*Honorary President*
H.R.H. PRINCESS MARINA, DUCHESS OF KENT, G.C.V.O., G.B.E., C.I.

*THE COUNCIL*
(*Elected* 18 *June* 1962 *for the Session of* 1962–63)

*President :* Sir Raymond Priestley, M.C.

*Vice-Presidents*

Sir Vivian Fuchs
Sir John Hunt, C.B.E., D.S.O.
Sir Gilbert Laithwaite, G.C.M.G., K.C.B., K.C.I.E., C.S.I.
The Right Hon. Lord Nathan, P.C., T.D., D.L., F.B.A.
The Right Hon. Lord Shackleton, O.B.E.
Professor J. A. Steers
Lt.-Gen. R. G. W. H. Stone, C.B., D.S.O., M.C.

*Honorary Treasurer*—G. P. Pirie-Gordon

*Honorary Secretaries*—Dr. E. W. H. Briault; Sir Christopher Summerhayes, K.B.E., C.M.G.

*Honorary Foreign Secretary*—Major-Gen. R. Ll. Brown, C.B., C.B.E.

*Members of the Council*

Professor W. G. V. Balchin
Dr. G. C. L. Bertram
Col. N. A. C. Croft, D.S.O.
Professor H. C. Darby, O.B.E.
Maj.-Gen. A. H. Dowson, C.B.E.
Dr. Alice Garnett
John Grierson
Brigadier L. J. Harris, C.B.E.
Lt.-Col. G. J. Humphries
G. E. Hutchings
Rear Admiral E. G. Irving, O.B.E.
W. George Lowe, O.B.E.
Brian F. Macdona
E. C. Marchant, C.I.E.
Miss G. M. Rhodes
Capt. G. S. Ritchie, D.S.C., R.N.
Dr. K. S. Sandford, T.D.
David G. Stratton
Michael Westmacott
Dr. E. B. Worthington
Sir Michael Wright, G.C.M.G.

*Director and Secretary*—L. P. Kirwan, C.M.G., T.D.

*Librarian and Map Curator*—G. R. Crone

*Bankers*—Martin's Bank Ltd. (Cocks, Biddulph Branch)
16 Whitehall, S.W.1.

# CONTENTS

*VOL. CXXVIII Part* 1 *MARCH* 1962

THE BINDIBU EXPEDITION: EXPLORATION AMONG THE DESERT ABORIGINES OF WESTERN AUSTRALIA: I. By DONALD F. THOMSON . . . . . 1

BRASÍLIA: THE FEDERAL CAPITAL OF BRAZIL. By SIR WILLIAM HOLFORD . . . . . 15

A NEW SOVIET HEARTLAND? By DAVID J. M. HOOSON . . . . 19

THE ROYAL GEOGRAPHICAL SOCIETY AND THE PROJECTED LONDON INSTITUTE OF GEOGRAPHY 1892–99. By L. M. CANTOR 30

THE FUTURE OF THE INTERNATIONAL MILLION MAP OF THE WORLD. By G. R. CRONE . . . . . 36

AN EXPEDITION TO THE STAUNINGS ALPER, SCORESBY LAND. By SIR JOHN HUNT and JOHN SUGDEN . . . . . 39

A TRIAL OF THE POTENTIAL VALUE OF AQUALUNG DIVING TO COASTAL PHYSIOGRAPHY ON BRITISH COASTS. By C. KIDSON, J. A. STEERS and N. C. FLEMMING . . . . . 49

A NEW MAP OF THE MOUNT EVEREST REGION. By G. S. HOLLAND and G. R. CRONE . . . . . 54

CAMBRIDGE SURVEY OF CENTRAL VESTSPITSBERGEN. By W. B. HARLAND and D. MASSON-SMITH . . . . . 58

ONE HUNDRED YEARS AGO . . . . . 70

THE LANGUAGE OF GEOGRAPHY: Review. By JOHN K. WRIGHT . 71

COOK'S VOYAGE IN THE *RESOLUTION* AND *ADVENTURE*: Review. By G. S. RITCHIE . . . . . 73

REVIEWS: Air freight and Anglo-European trade. Victorian suburb. Our National Park policy. Pays Basque français et Barétous. Central Europe. Sovetskaya geografiya. Malta. Soils of Malta and Gozo. Physical geography of Asiatic Russia. Faces in Shem. Gertrude Bell: personal papers. Madras et le nord du Coromandel. Monsoon Asia. Land utilization in eastern Uttar Pradesh. Land use in Rampal Union. Nepal: the kingdom in the Himalayas. Tribe, caste and nation. Bayonets to Lhasa. The Golden Khersonese. The Republic of the Sudan. The awakening Sahara. L'esplorazione del Sahara. La Tunisie. The Prester John of the Indies. The geology of the Northern Rhodesian Copperbelt. Towards a plan for the Tugela Basin. Pilot of Arctic Canada: II. Fur trade Governor. El enigma del Xoloitzcuintli. The West Indies Federation. Geographic aspects of plantation agriculture in Yucatan. Estudios ecológicos para el aprovechamiento de la tierra en Nicaragua. Geográfia de Venezuela. The economic development of Venezuela. Pacific Island terraces: eustatic? Trans-Antarctic Expedition 1955–8: Scientific reports 2, 3. Salinity problems in the Arid Zones. Précis de climatologie. Einführung in die Klimatologie. Meteorology for glider pilots. Population control. The travels of the Infante Dom Pedro of Portugal. Précis de géographie urbaine. Surveyor of the sea: Vancouver. Friedrich Ratzel. The China Bird. Géographie de l'Odysée. Biography catalogue of the library of the Royal Commonwealth Society.

*VOL. CXXVIII. Part 1. MARCH, 1962—continued*

Aerial photo-interpretation of landforms and rural cultural features in glaciated and coastal regions. Landscape drawing. Blossoms in the dust. About Tunisia. The heart of the hunter. Lithofacies maps. Search in the north. Prince Rupert: gateway to Alaska. *Mischief* among the penguins. The Ocean. Science, chemistry, physics, astronomy. Nature, Earth, plants, animals . . . . . 76

CARTOGRAPHICAL PROGRESS: Cassell's New Atlas. Elementi di cartografia. The work of the Institut Géographique National. Symposium on cartographic techniques. The county maps of the British Isles. National Geographic globe. 'Civitas Londini . . .' Origin of early marine charts. Early maps of Brazil . . . . . 109

THE SOCIETY'S NEWS: New Year's Honours List. Governor of New Zealand. Geography prize for Training College students. Exhibition of French maps and mapping. Conferences held at the Society's House in 1961. Scott and the South Pole . . . . . 115

THE RECORD: Contributors to this issue. University news. 20th International Geographical Congress. British Institute of History and Archaeology in East Africa. The 1961 University of London Beerenberg Expedition. Uganda Geographical Association. *Journal of the Geographical, Geological and Archaeological Society*, University of Hong Kong. Glaciological work in Columbia. Third International Speleological Conference, 1961. Industrial archaeology . . . . . 116

NOTES . . . . . 122

OBITUARY: Sir James Mann Wordie, C.B.E. Hugh Ruttledge. Lt.-Col. D. R. G. Cameron, M.B.E. . . . . 122

CORRESPONDENCE: Voyage to the Îles Crozet and Kerguelen. Knob Lake Field Research Centre. The sarsens of Stonehenge . . . . . 125

MEETINGS: Session 1961–2 . . . . . 127

*VOL. CXXVIII. Part 2* *JUNE* 1962

SCOTT'S NORTHERN PARTY. By SIR RAYMOND PRIESTLEY . . . . 129

THE BINDIBU EXPEDITION: II. By DONALD F. THOMSON . . . . 143

CAMBRIDGE EXPEDITION TO BRITISH HONDURAS. By J. E. THORPE and D. R. STODDART . . . . . 158

NEW ANARE LANDINGS IN AUSTRALIAN ANTARCTIC TERRITORY, 1960. By PHILLIP LAW . . . . . 174

THE PEAT BOGS OF THE IRISH REPUBLIC: A PROBLEM IN LAND USE. By D. J. DWYER . . . . . 184

SEA WAVES AND BEACH CUSPS. By M. S. LONGUET-HIGGINS and D. W. PARKIN . . . . . 194

GERHARD MERCATOR: A.D. 1512–94. By E. G. R. TAYLOR . . . . 201

ONE HUNDRED YEARS AGO . . . . . 203

SOME CONCEPTIONS OF ARCTIC REGIONAL GEOLOGY: Review. By K. S. SANDFORD . . . . . 204

NEW LIGHT ON NANSEN: Review. By W. R. MEAD . . . . . 208

REVIEWS: Second Land Utilization Survey of Britain. The Third Statistical Account of Scotland: County of Aberdeen. The characteristics and development of the limestone regions in the British Isles. Europe's needs and resources. La Vendée littorale. Geology of Norway. Geografia Fizyczna Polski. Problems of economic region. Tell Toqaan. Modern Amman.

Buarij. Between Oxus and Jumna. Dust in the lion's paw. The lotus and the robot. Remaking Africa. The new Africa. Tableau géographique de l'ouest Africain au Moyen Age. A history of the southern Sudan 1839–89. The western Slave Coast and its rulers. The food economies of urban middle Africa: Ghana. Northern Rhodesia in the days of the Charter. South Africa. Birds of eastern and north-eastern Africa. Birds of the southern third of Africa. Livingstone's missionary correspondence. Robert Moffat. The exploration diaries of H. M. Stanley. This land [Canada]. Resources for tomorrow. Nine glacier maps. The Denver and Rio Grande Western railroad. South America. From the Cam to the Cays. Records of the American–Australian Scientific Expedition to Arnhem Land. The discovery of the Pacific Islands. The natural history of Ifaluk Atoll. Preliminary report of the Jacobsen–McGill Arctic Research Expedition to Axel Heiberg Island. Titian Ramsay Peale 1799–1855, and his journals of the Wilkes expedition. Island of the lost. L'hydrologie. Ebbe und Flut. A hole in the bottom of the sea. Population. The explorers: an anthology of discovery. The origin, nature and distribution of agricultural terracing. The first voyage round the world of Captain James Cook: Voyage of the *Endeavour*, transl. into Russian. The brethren of the coast. Transactions and Papers, I.B.G. 1961. Illustrated world geography. Geography, our planet. The living Commonwealth. The 19th Geographical Congress in Stockholm. Atlantic crossings before Columbus. Land to the west. Northwest by sea. Cabot to Cartier . . . . . 210

CARTOGRAPHICAL PROGRESS: Atlas över Skärgårds-Finland. Economic cartography [Polish]. Economic atlas of Manitoba. Second United States Regional Cartographic Conference for Asia and the Far East. The population of Hither Asia. A Gloucestershire and Bristol atlas. Institut Géographique National. National Atlas of the United States . . . 241

THE SOCIETY'S NEWS: Medals and awards. American award for oceanography . . . . . 245

THE RECORD: Contributors to this issue. University news. The Antarctic Treaty. Edinburgh Symposium on Rural Settlement. Geographical Association, 1962. The Smith–Guile panorama head. Research on the Great Barrier Reef. Expeditions in the field, 1961. *Snow structure and ski fields.* Corrections . . . . . 245

NOTES . . . . . 251

CORRESPONDENCE: *Die Landschaften von Nordost-Honduras* . . . 252

OBITUARY: John Bartholomew, C.B.E., M.C., LL.D. Lt.-Col. P. A. Clayton, D.S.O., M.B.E. Lt.-Col. Sir Rupert Hay, K.C.M.G., C.S.I. E. D. Laborde . 254

MEETINGS: Session 1961–2 . . . . . 256

*VOL. CXXVIII. Part 3* *SEPTEMBER 1962*

THE PRESIDENTIAL ADDRESS, 1962. By Sir Raymond Priestley . 257

THE BINDIBU EXPEDITION: III. By Donald F. Thomson . . . 262

LONDON'S URBAN CLIMATE. By T. J. Chandler . . . . . 279

COASTAL CLIFFS: REPORT OF A SYMPOSIUM . . . . . 303

'JEWELS OF ANTIQUITIE': THE WORK OF THE HAKLUYT SOCIETY. By G. R. Crone . . . . . 321

*VOL. CXXVIII, Part 3. SEPTEMBER—continued*

SIR JAMES CLARK ROSS, 1800–62. By ANN SAVOURS . . . . . 325

THE RURAL–URBAN MIGRATION IN HONG KONG AND ITS NEW TERRITORIES. By S. G. DAVIS . . . . . 328

ONE HUNDRED YEARS AGO . . . . . 334

A HISTORY OF GEOGRAPHY: Review. By HARRIET STEERS . . . . 335

A NEW ARMENIAN ATLAS: Review. By C. J. F. DOWSETT . . . . 336

REVIEWS: The industries of London since 1861. Ancient fields. La Cerveyrette. Luftbild und Küstengeographie am Beispiel der deutschen Nordseeküste. Die Jahrzeit als Faktor bei der Landnutzung-interpretation auf panchromatischen Luftbildern. Coast and Karst in Istria Rossa. Norway in English. Soviet drifting stations for scientific research. Holocene problems. Himalayan pilgrimage. Karakoram: ascent of Gasherbrum IV. To the unknown mountain: Trivor. An outline geography of Africa. Essays on African population. The emerging states of French Equatorial Africa. An African economy. Soils of the lower Tano basin, south-western Ghana. Barth's travels in Nigeria. Three stages of history in Rhodesia. The economic development of Tanganyika. Social policies and population growth in Mauritius. The economic and social structure of Mauritius. Coastal plant geography of Mauritius. Soils in Canada. The story of the Yukon. Book of the Eskimos. I.G.Y.: the year of the new moons. Précis de géographie humaine. Rural settlement and land use. L'homme sur la terre. Images of Spain. Spirit of Mexico. Aristocrats of the South Seas. White mountain and tawny plain. The Lothians. Zoo quest to Madagascar. Golden wall and mirador. Wild flower hunter: Ellis Rowan. The Observer's Book of flags . . . . . 339

CARTOGRAPHICAL PROGRESS: Manual of photographic interpretation. Atlas över Danmark: II. The history of cartography: Le premier atlas de France; Geschichte der Kartographie des Deutschen Sudwestens; Centralny katalog zbiorow kartograficznych w Polsce, I; Researches in the history of geography, II (Japanese); Oude kaarten en de geschiedenis van de Kop van Noord-Holland. Whyte's atlas guide. International Cartographic Association Bulletin. Official maps of Sweden. Ordnance Survey Annual Report 1960–1. Canadian land use maps. Geological maps of Germany. Mapping of the U.S.S.R. . . . . 357

THE SOCIETY'S NEWS: New Members of Council. Application for grants for exploration and research 1963. University Essay Prize 1961 . . 362

THE RECORD: Contributors to this issue. University news. Discovery of the source of the Nile 1862. Two journeys in Swat Kohistan. I.G.U.: Regional conference in Malaya. Karst regions of Greece. Early discovery and inhabitation of Jan Mayen Island. Climatic fluctuations in China. *Snow structure and ski fields* . . . . . 363

NOTES . . . . . 366

OBITUARY: Commander Sir James Boyd Adams, K.C.V.O., C.B.E., D.S.O. Professor Roberto Almagià. Douglas Carruthers. Colonel R. E. Cheesman, C.B.E. Lt.-Col. D. L. R. Lorimer, C.I.E. Mrs. Patrick Ness. Brigadier Sir Oliver Wheeler, M.C. . . . . 367

CORRESPONDENCE: Knob Lake Field Research Centre. The sarsens of Stonehenge. Exhibition of Irish maps. . . . . 371

MEETINGS: Session 1961–2 . . . . . 373

*VOL. CXXVIII. Part 4* *DECEMBER* 1962

325 JOHN HANNING SPEKE. By J. N. L. Baker . . . . . 385

328 ETRUSCAN TOWNS, ROMAN ROADS AND MEDIEVAL VILLAGES. By J. Ward-Perkins . . . . . 389

334 LANDMARKS IN BRITISH CARTOGRAPHY. By G. R. Crone, E. M. J. Campbell and R. A. Skelton . . . . . 406

335 CLEMENTS MARKHAM AND THE INTRODUCTION OF THE CINCHONA TREE INTO BRITISH INDIA, 1861. By Donovan Williams 431

336 AN EXPEDITION THAT NEVER WAS—BENKENDORF'S EXPEDITION TO THE RIVER INDIGIRKA. By B. A. Tikhomirov . . 443

HIMALAYAN SCIENTIFIC AND MOUNTAINEERING EXPEDITION 1960/61: THE SCIENTIFIC PROGRAMME. By L. G. C. E. Pugh . 447

THE OLD COASTLINE OF THE WASH. By F. J. T. Kestner . . 457

A GEOGRAPHER WITH THE WORLD HEALTH ORGANIZATION. By R. Mansell Prothero . . . . . 479

'GEOGRAPHIE IS BETTER THAN DIVINITIE.' By Edmund W. Gilbert 494

PORT ÉTIENNE: A MAURITANIAN PIONEER TOWN. By R. Harrison Church . . . . . 498

ONE HUNDRED YEARS AGO . . . . . 504

339 NATIONAL DEMAND FOR WATER IN ENGLAND AND WALES: Review. By A. A. Miller. . . . . 505

THE MORPHOLOGY OF THE EARTH: Review. By F. Dixey . . 507

REVIEWS: The geography of communications in Great Britain. British landscape through maps. Norwich and its region. The rural landscape of the East Riding of Yorkshire, 1700–1850. The Peak District. The university town in England and West Germany. A geography of Europe. The West European city. Geographische Stüdien über Mensch und Siedlung in Südtirol. Fastness of France. L'agriculture dans les plaines alluviales 357 de la presqu'île de Saint-Germain-en-laye. Économie et sociologie de la montagne: Albieuz-le-Vieux. Germany. Holocene sea level changes in the Netherlands. Soviet potentials. Glaciological studies during the I.G.Y. 362 [USSR]. Cities of Central Asia. Hadramaut: Bevölkerung und Wirtschaft im Wandel der Gegenwart. Atlas of Mesopotamia. Geomorphologische Beobachtungen im Oberen Kızılırmak- und Zamanti-Gebiet. The heart of Nepal. Africa, a social geography. The new societies of tropical Africa. A short history of Africa. The grass cover of Africa. An agricultural survey of Southern Rhodesia. Journal of residence in Africa, 1842–53 363 [Thomas Baines]. The southern Sudan. King Leopold's Congo. A 366 history of Sierra Leone. East Africa through contemporary records. Die geographischen grundlagen der Wirtschaft Ghanas. A subsistence crop geography of Uganda. Roads and road transport in an underdeveloped country: Uganda. Megalopolis. Aride und humide Jahreszeiten in Nordamerika. The air-conditioned nightmare. Peter Skene Ogden's Snake 367 Country Journal. François Matthes and the marks of time. Dutch explorers, traders and settlers in the Delaware valley 1609–64. Mexico about 1850. Mexico: Revolution to Evolution 1940–60. Latin America. The Latin 371 American Republics. Venezuela. Plant hunters in the Andes. Australasia. 373 Kin and totem. Adam in ochre. Geological results of petroleum exploration in Western Papua, 1937–61. Atoll environment and ecology. Islands of the South Pacific. Australia in the Antarctic. The far south. Fundamentals of physical geography. Introduction to physical geology. Die vegetation der Erde in ökologischer Betrachtung: I. Taxonomy and geography. Serial atlas of the marine environment: I. Sea surface temperatures in the western North Atlantic. The challenge of the atmosphere. Photo-

geology. Raumforschung. A history of land use in arid regions. Problems of the Arid Zone. The concept of location in classical geography. The town. Einführung in die Siedlungsgeographie. Die Stadt Oldenburg als Standort einer Universität. Comparisons in resource management. Richard Hakluyt: Voyages. The geography of economic activity. Sir Hubert Wilkins. Pawel Edmund Strzelecki. The status of the Fen and the origin of the Norfolk Broads. The naturalist's Riviera. Greece and the Islands. A time in India. Kashmir. Ladies in the sun. Sahara story. Unknown Mexico. The hills of the boasting woman. Distance looks our way. My father was a cannibal. Reflections of a Darwinian. Dinosaurs . . 511

CARTOGRAPHICAL PROGRESS: Marine cartography in Britain. Maps and their makers. Die Peutingersche Tafel. I.M.W. Conference, Bonn 1962. Swiss national atlas. Ordnance Survey, 1961–2 . . . . . 561

SOCIETY'S NEWS: Application for grants 1963. G.C.E.: Geography prizes . . . . . 565

RECORD: Contributors to this issue. Meeting of the British Association 1962. University News: Cambridge, Melbourne, New England (N.S.W., Australia), Sussex. The British Antarctic Territory. Expedition reports. Rhodesian Schools Exploration Society. Land Use Survey. Centenary of Stuart's crossing of Australia. Population of Nepal. Overseas Geological Surveys Report 1960–1. Latin American research. The *Uganda Journal*. Corrections . . . . . 565

NOTES: . . . . . 576

OBITUARY: Major-General G. Cheetham, C.B., D.S.O., M.C. Major E. J. E. Mills and Captain M. F. R. Jones. C. W. F. Noyce. Vilhjalmur Stefansson 577

MEETING: Sessions 1961–2; 1962–3 . . . . . 580

# INDEX

Capitals in main heading denotes articles and papers. Italics denotes books reviewed. Short notes in single quotes


Abbot, G., and his *Briefe Description of the Whole World*, 494
Abel-Smith, B., *see* Titmuss, R.
Aberdeen, *The Third Statistical Account of Scotland: The County of Aberdeen:* ed. H. Hamilton, 210–1
*Actes 85me Congrès nationale des Sociétés savantes*, Chambéry-Nancy, sect. géogr. 3–50, 359
Adams, Sir J. B., obit. by R. E. Priestley, 367
Adare, Cape, *see* Cape Adare
Aden, *see* Hadhramaut
Adloff, R., *see* Thompson, V.
*Advanced Level Geography*, Book 3, *see* America, South
Aegean, *see* Greece
Africa, A GEOGRAPHER WITH THE WORLD HEALTH ORGANIZATION: R. M. Prothero, 479–93
—, *Essays on African population:* ed. K. M. Barbour and R. M. Prothero, 345
—, *The emerging states of French equatorial Africa:* V. Thompson and R. Adloff, 346
—, *The heart of the hunter:* L. van der Post, 107
—, *The new Africa:* S. Hempstone, 219
—, *Birds of eastern and north eastern Africa:* C. W. Mackworth-Praed and C. H. B. Grant, 2nd ed., (African Handbook of Birds, Series 1, vol. 2), 223
—, *Birds of the southern third of Africa:* C. W. Mackworth-Praed and C. H. B. Grant, (African Handbook of Birds, Series 2, vol. 1), 223
—, *Remaking Africa:* N. Heseltine, 218
—, *Journal of residence in Africa, 1842–1853, vol. 1, 1842–1849:* T. Baines, ed. R. F. Kennedy, 529
—, *Africa: a social geography:* A. Sillery, 525
—, *The new societies of tropical Africa:* G. Hunter, 525–6
—, *A short history of Africa:* R. Oliver and J. D. Fage, 526–7
—, *The grass cover of Africa:* J. M. Rattray, 527–9
Africa, East, *East Africa through contemporary records:* Z. Marah, 531–2
—, *discovery of sources of Nile*, 385 *et seq.*
—, movement of people and malaria, 482 *et seq.*
Africa, Horn of, malaria eradication, 482 *et seq.*
Africa, South, *South Africa:* M. Cole, 222–3
Africa, West, *Tableau géographique de l'ouest africain au Moyen Age:* R. Mauny, 219–20
Agar, R., paper at Coastal Cliffs Symposium, 319
Agriculture, *The origin, nature and distribution of agricultural terracing:* J. E. Spencer and G. A. Hale, (*Pacific Viewpoint*, vol. 2, 1961, no. 1), 235–6
—, *Rural settlement and land use: an essay in location:* M. Chisholm, 354
—, ancient fields, *see* England
*Agricultural Studies*, Food and Agriculture Organisation, U.N., 49, 1960, 527–9
Ahn, P. M., *Soils of the lower Tano basin, south-western Ghana*, 347
Air photography, *Aerial photo-interpretation of landforms and rural cultural features in glaciated and coastal regions:* W. E. Powers and C. F. Kohn, 106
—, and coasts, *see* Germany; and land use, *see* Switzerland
—, *see* Photographic interpretation
Air pollution, *see* Atmospheric pollution
Akademie für Raumforschung und Landesplanung, Hannover, *Raumforschung*, 551–2
Alaska, *see* Prince Rupert
Alatau, *Glaciological studies during the I.G.Y.: Zailiyskiy and Dzhungarskiy Alatau*, no. 1, 521–2
Albiez-le-Vieux, *Économie et sociologie de la montagne: Albiez-le-Vieux en Maurienne:* P. Rambaud, 517–8
Almagià, Prof. R., obit. by G. R. Crone, 367–8
Alpefjord, Greenland, and expedition to Scoresby Land, 41 *et seq*; strandlines in the Dammen region, 43–8
Alvarez, F., *Prester John of the Indies*, ed. C. F. Beckingham and G. W. B. Huntingford, 91
Ama Dablam, climbed by M. P. Ward, 447
America, *see* St. Brendan
America, Latin, *Golden wall and mirador:* S. Sitwell, 356
—, *Latin America:* H. Robinson, 540
—, *The Latin American Republics:* D. G. Munro, 3rd ed. rev., 540–1
America, North, *Aride und humide Jahreszeiten in Nordamerika:* R. Jätzold, 535–6
—, *Cabot to Cartier: sources for a historical ethnology of north-eastern North America, 1497–1550:* B. G. Hoffman, 239–40
—, *Nine glacier maps (north-western North America)*, 226–7
—, *Lithofacies maps: an atlas of the United States and southern Canada:* L. L. Sloss and others, 107
—, *see* Geography, Historical
America, South, *The hills of the boasting woman:* S. Earl, 560
—, *South America: Advanced Level Geography, Book 3:* D. C. Money, 228
*American–Australian scientific expedition to Arnhem Land, Records of the: II. Anthropology and nutrition:* ed. C. P. Mountford, 229
American Geographical Society, *Nine glacier maps (Northwestern North America)*, (Special Publications no. 34), 226–7
*Amman, Modern: a social study:* J. M. Hacker, 215–6
Amundsen, R., and Scott's Northern Party, 131
ANARE, *see* Antarctica
Anatolia, *see* Turkey
Anderson, B., *Surveyor of the sea: the life and voyages of Captain George Vancouver*, 103
Anderson, R. and Dept. of Native Agriculture of Southern Rhodesia, *An agricultural survey of Southern Rhodesia, Part II*, 527–9

Anderson, T., and cinchona tree, 436–7
Andes, *Plant hunters in the Andes:* T. H. Goodspeed, 541–2
—, *see* Peru
Antarctic, *Australia in the Antarctic:* R. A. Swan, 546
—, *The far south:* J. Béchervaise, 546
—, British Antarctic Territory, note on, 570–1
Antarctica, NEW ANARE LANDINGS IN AUSTRALIAN ANTARCTIC TERRITORY 1960: P. Law, 174–83
—, *Trans-Antarctic expedition, 1955–8: Scientific reports. No. 2: A gravity traverse of Antarctica. No. 3: Seismic soundings across Antarctica:* J. G. D. Pratt, 98–9
—, Antarctic treaty, 246–7
—, use of dog-teams, 131
—, *see* Scott
Anthony, J., *About Tunisia*, 107
*Anthropological Papers, see* Michigan, University of
Apian, P., map of Franconia, key, 411
Appleton, J. H., *The geography of communications in Great Britain*, 511
Aqualung diving, *see* British Isles
Arber, M. A., paper at Coastal Cliffs Symposium, 315–6
Archaeology, Industrial, 121–2
*Arctic, Geology of the:* G. O. Raasch, ed., *rev. art.* by K. S. Sandford, 204–7
—, *Soviet drifting stations for scientific research:* M. M. Nikitin, 342–3
—, travels of E. de K. Leffingwell, 366
—, *see* Canada
—, *see* Eskimos
—, *see* North-west Passage
Arctic, Canadian, *Search in the North:* G. Blanchet, 108
Area research, *see* Regional planning
*Arid Zone Research*, series no. 14, 1961, 99–100
—, no. 17, 1961, 552–3
—, no. 18, 1962, 553–4
Arid zones, *A history of land use in arid regions:* ed. L. D. Stamp, 552–3
—, *Problems of the arid zone*, 553–4
Armenia, *Atlas of the Armenian S.S.R.:* A. B. Baghdasaryan and others, *rev. art.* by C. J. F. Dowsett, 336–9
Arnhem Land, *Records of the American–Australian scientific expedition to Arnhem Land: II. Anthropology and nutrition:* ed. C. P. Mountford, 229
Ashe, G., *Land to the west: St. Brendan's voyage to America*, 239–40
Asia, *Monsoon Asia:* E. H. G. Dobby, 84–5
—, *Second United States Regional Cartographic Conference for Asia and the Far East, Vol. 2*, 243
—, *The lotus and the robot:* A. Koestler, 217–8
Asia, Central, *Between Oxus and Jumna:* A. J. Toynbee, 216–7
—, *Cities of Central Asia:* R. A. Pierce and A. S. Donnelly, 522
Asia, South-west, *see* Middle East
Atlantic, *Serial atlas of the marine environment. Folio 1: Sea surface temperature in the western north Atlantic 1953–54:* R. L. Pyle, 549–50
*Atlas, Cassell's new:* ed. H. Fullard, 109
—, *Whyte's atlas guide:* F. H. Whyte, 359–60
—, *see* America, North
Atmosphere, *see* Meteorology
Atmospheric pollution, London, 279–83
Atolls, *see* Pacific
Attenborough, D., *Zoo quest to Madagascar*, 356
*Australasia:* H. Rees, 542
Australia, *Kin and totem:* J. Falkenberg, 542–3; *Adam in ochre:* C. Simpson, 542–3; note on centenary of Stuart's crossing, 573–4; Great Barrier Reef, 249; *see* Antarctic; Arnhem Land
Australia, Western, THE BINDIBU EXPEDITION, EXPLORATION AMONG THE DESERT ABORIGINES OF WESTERN AUSTRALIA, I. THE APPROACH: D. F. Thomson, 1–14
—, THE BINDIBU EXPEDITION. II. KIMAI-LABBI-LABBI: D. F. Thomson, 143–57
—, THE BINDIBU EXPEDITION. III. THE BINDIBU: By D. F. Thomson, 262–78
—, trees and shrubs, 145, 147, 148, 264, 274
—, botanical notes on plants mentioned in 'Bindibu expedition', 276–8
—, lizards, 264, 271
*Axel Heiberg Island, Preliminary report of the Jacobsen–McGill Arctic research expedition to:* F. Muller and others, ed. B. S. Muller, 230–1

Backlundtoppen, geographic position, 60
Baggy Point, coastal cliffs, 316
Baghdasaryan, A. B. and others, *Atlas of the Armenian S.S.R.*, 336–9
Bailey, F. G., *Tribe, caste and nation*, 87
Baines, T., *Journal of residence in Africa, 1842–1853, vol. I 1842–1849*, ed. R. F. Kennedy, 529
Baker, J. N. L., JOHN HANNING SPEKE, 385–8
—, quoted on G. Abbot, 494
Baker, Sir S. W., and Speke, J. H., 387
Banks, Prof. A. L., remarks on 'A geographer with the World Health Organization,' 490–1
Banks, M. E. B., obit. of E. J. E. Mills, 578
Baranov, A. N. and Gerasimov, I. P. eds., *The 19th Geographical Congress in Stockholm*, 239
Barbour, K. M., *The Republic of the Sudan*, 89–90
—, and Prothero, R. M., *Essays on African population*, 345
—, appointed to the Chair of Geography, University College of Ibadan, 117
*Barth's travels in Nigeria:* ed. A. H. M. Kirk-Greene, 347–8
Bartholomew, J., obit. by G. R. Crone, 254
Bascom, W., *A hole in the bottom of the sea*, 233–4
Beach cusps, *see* Coastal morphology
Beaglehole, J. C., ed., *The journals of Captain James Cook. Vol. II: The voyage of the* Resolution *and* Adventure *1772–1775*, 73–6
Beaver, Prof. S. H., awarded Murchison Grant, 245, 375–6
Béchervaise, J., *The far south*, 546
Beckingham, C. F., obit. of R. E. Cheeseman, 369; ed., *see* Alvarez, F.
Beek, M. A., *Atlas of Mesopotamia*, tr. D. R. Welsh, 523
Beer, Sir G. de, *Reflections of a Darwinian*, 560
Beerenberg Expedition, University of London, 1961, 118–9
*Bell, Gertrude, from her personal papers, 1914–1926:* E. Burgoyne, 83
Benkendorf, supposed expedition to River Indigirka, 443–6
Berezovka mammoth, 443 *et seq.*

Bergman, S., *My father was a cannibal*, tr. E. Ramsden, 560
*Berichte zur deutschen Landeskunde*, Suppl. no. 4, 1961, 361
Bernstein, S., remarks at A.G.M., 374
Berry, B. J. L. and Pred, A., 'Central place studies', note on, 576
Bilham, E. G., on climate of London, 279
Bindibu tribe, 262–78; food-gathering, 266; music, 274; kangaroos, 272; tobacco, 271–2; *see* Australia, Western
*Biography catalogue of the library of the Royal Commonwealth Society:* D. H. Simpson, 105
Biology, *Taxonomy and geography:* D. Nicholls, 548–9
Bishop, B. C., remarks on 'Himalayan Scientific and Mountaineering Expedition, 1961–1', 456
Blanchet, G., *Search in the North*, 108
Board of Ordnance, 418–20
Bodington, N., *The awakening Sahara*, 90
Bogotá, *see* National Geological Institute of Bogotá, 120
Bolivia, cinchona tree, 434
*Bonner Geographische Abhandlungen*, 30, 1961, 522–3
Bord na Mona, 184, 186 *et seq.*
Botany, botanical notes on plants mentioned in 'Bindibu expedition', 276–8
Bowen, H. C., *Ancient fields*, 340
Bowen-Jones, H. and others, *Malta: background for development*, 80–1
Bradley, K., ed., *The living Commonwealth*, 238–9
Brancaster, Norfolk, sand transport, 51
Brandt, F. F., and Benkendorf's supposed discovery of a mammoth, 445–6
Brangham, A. N., *Naturalist's riviera*, 559
BRASÍLIA: THE FEDERAL CAPITAL OF BRAZIL: Sir William Holford, 15–8
Brazil, *Estudo das cartas históricas da mapoteca da Diretoria do Serviçio Geográfico:* S. de Silva Futado, 114
Briault, E. W. H., and telegrams received on occasion of Scott anniversary, 140
—, obit, of E. D. Laborde, 255
Briers, F., ed., *Norwich and its region*, 512–3
Bristol, *see* Gloucestershire
Bristol, University, Rover Crews Russia–Lapland expedition, note on route report, 122
British Association, Norwich Meeting, 1961, *Norwich and its region:* ed. F. Briers, 512–3
—, meeting, 1962, 566–7
British cartography, *see* Cartography, Historical
British Commonwealth, *see* Commonwealth
British Empire, *see* Commonwealth
BRITISH HONDURAS: CAMBRIDGE EXPEDITION TO: J. E. Thorpe and D. R. Stoddart, 158–73; archaeology, 159–60; botany, 160; reefs and cays, 161–9; zoology, 160–1; *From the Cam to the Cays:* D. Carr and J. Thorpe, 228–9
British Institute of History and Archaeology in East Africa, 118
British Isles, A TRIAL OF THE POTENTIAL VALUE OF AQUALUNG DIVING TO COASTAL PHYSIOGRAPHY ON BRITISH COASTS: C. Kidson, J. A. Steers and N. C. Flemming, 49–53
—, *The characteristics and development of the limestone regions in the British Isles with special reference to England and Wales:* G. T. Warwick, (Deuxième Congrès International de Spéléologie, Actes du Congrès, tome 1, section 1), 211
—, *British Isles, The large-scale county maps of the:* E. M. Rodger, 113
—, *British landscape through maps*, nos 1–5, 511–2
—, *1546 map, explanation of signs*, 411–2
—, beach cusps, 194–201
—, coastal cliffs, 301 *et seq.*
—, Ordnance Survey, 360
—, *see* Hydrography; England; Gt. Britain
British maps, *see* Cartography, Historical
British School at Rome, field survey in southern Etruria, 389–405
Bronowski, J., ed., *see Macdonald Illustrated Library*
Brünger, W., *Einführung in die Siedlungsgeographie*, 554–5
*Buarij: portrait of a Lebanese Muslim village:* A. H. Fuller, 215–6
Bundesanstalt für Landeskunde und Raumforschung, and geological maps of Germany, 361
Bünsow Land, triangulation, *see* Ny Friesland
Burgoyne, E., *Gertrude Bell from her personal papers 1914–1926*, 83
Burnham, Norfolk, sand transport, 51
Burns, W. A., *see* Debenham, F.
Burton, Sir R. F., and Speke, J. H., 385 *et seq.*
Bushmen, *The heart of the hunter:* L. van der Post, 107

Camberwell, *Victorian suburb: a study of the growth of Camberwell:* H. J. Dyos, 76–7
CAMBRIDGE EXPEDITION TO BRITISH HONDURAS: J. E. Thorpe and D. R. Stoddart, 158–73
—, *From the Cam to the Cays:* D. Carr and J. Thorpe, 228–9
CAMBRIDGE SURVEY OF CENTRAL VESTSPITSBERGEN: W. B. Harland and D. Masson-Smith, 58–70
Cambridge, Univ., news, 567–8
Cameron, D. R. G., obit, 125
Campbell, E. M. J., THE BEGINNINGS OF THE CHARACTERISTIC SHEET TO ENGLISH MAPS, 410–5, 429–30
Canada, *Fur trade governor: George Simpson 1820–1860:* J. W. Chalmers, 94
—, *Pilot of Arctic Canada*, Vol. II, 93–4
—, *Resources for tomorrow*, 225–6
—, *Soils in Canada:* ed. R. F. Legget, 351
—, *This land: a geography of Canada:* E. Wahl, 225
Canada, land use maps, 360–1
—, *see* Manitoba
—, atlas, *see* America, North
Canary Islanders, fishing in coastal waters of Spanish Sahara and Mauritania, 498 *et seq.*
Cantor, L. M., THE ROYAL GEOGRAPHICAL SOCIETY AND THE PROJECTED LONDON INSTITUTE OF GEOGRAPHY 1892–1899, 30–5
Cape Adare, Antarctica, and Scott's Northern Party, 133–4
Capello, C. F. and Chionetti, M. L., *Elementi di cartografia*, 109–10
Caraci, G., quoted on origin of early marine charts, 114
Cardigan Bay, coastal cliffs, 307
Carnegie, D. W., quoted on Australian aborigines, 1, 2–3
Caroline Ids, *see* Ifaluk
Carr, D. and Thorpe, J., *From the Cam to the Cays*, 228–9
Carruthers, D., obit, by M. P. Price, 368–9

Cartography, THE FUTURE OF THE INTERNATIONAL MILLION MAP OF THE WORLD: G. R. Crone, 36–8
—, *Elementi di cartografia:* C. F. Capello and M. L. Chionetti, 109–10
—, *Economic cartography:* L. Ratajski and B. Winid, 241–2
—, *Second United States Regional Cartographic Conference for Asia and the Far East*, vol. 2, 243
—, exhibition of French mapping at Society's House, 110, 115
—, symposium on cartographic techniques, 110–3
Cartography, Historical, *Maps and their makers*, 2nd ed., G. R. Crone, 562–3
—, LANDMARKS IN BRITISH CARTOGRAPHY: G. R. Crone, E. M. J. Campbell and R. A. Skelton, 406–30
—, *Italiani e Catalani nella primitiva cartografia medievale:* G. Caraci, 114
—, beginnings of characteristic sheet to English maps, 410–5
—, *Centralny katalog zbiorów kartograficznych w Polsce, I:* M. Łodyński, 359
—, *Researches in the history of geography*, Kyoto vol. 2, 1962, 359
—, *Geschichte der Kartographie des deutschen Südwestens:* R. Oehme, 359
—, *Le premier atlas de France. Le Theatre Françoys:* F. de Dainville, 359
—, *see* Mercator; Irish maps; Peutinger Table
Cartography, Marine, *see* Hydrography
*Cassell's new atlas:* ed. H. Fullard, 109
Cays, British Honduras, 161–9
Central Advisory Water Committee, Sub-Committee on Information on Water Resources, *Final Report*, 1962, 505–7
Central Asia, *see* Asia, Central
Centre d'Études Économiques, Paris, *Études et Mémoires*, nos 49, 50, 517–8
*Cerveyrette, La:* C. Vélasquez, 340–1
Chalmers, J. W., *Fur trade governor: George Simpson 1820–1860*, 94
Chamberlain, T., successor to T. Yeakell as Chief Draughtsman, 419
Chandler, T. J., LONDON'S URBAN CLIMATE, 279–20,
Channel Islands, described by P. Heylyn, 495
Characteristic sheet, English maps, 410–5
Chardon, R. E. P., *Geographic aspects of plantation agriculture in Yucatan*, 96
Charts, Marine, origin of early marine charts, 114
Cheesman, R. E., obit. by C. F. Beckingham 369
Cheetham, Maj.-Gen. G., obit., 577
Cheshire, W. Smith's map, signs, 412
Chesil Bank, beach cusps, 194, 196 *et seq.*
Chick Island, Antarctica, 181, 182
*Chilterns, The:* J. T. Coppock, (*British landscape through maps* no. 4), 511–2
China, climatic fluctuation, 366
Chionetti, M. L., *see* Capello, C. F.
Chirigukushi-Kenkyûkai, *see Researches in the history of geography*, Kyoto
Chisholm, M., *Rural settlement and land use*, 354
Chota, *see* Ecuador
Christchurch Bay, Hampshire, landslips, 310–1
Chu, Coching, paper on changes of world climate in historical times, note on, 366
Church, R. J. H., PORT ÉTIENNE: A MAURITANIAN PIONEER TOWN, 498–504
Cinchona tree, introduction into British India, 431–42
Clark, H. W., remarks on 'The old coastline of the Wash', 477
Classical geography, *see* Geography, History of
Clayton, P. A., obit. by G. W. Murray, 254–5
Cleugh, J., *Images of Spain*, 355
Climate, fluctuation, 366
Climatology: *Einführung in die Klimatologie:* R. Scherhag, 100–1
—, *Précis de climatologie:* P. Péguy, 100
Cline, H. F., *Mexico: revolution to evolution, 1940–1960*, 539–40
Clonsast Bog, 186
COASTAL CLIFFS: REPORT OF A SYMPOSIUM HELD AT R.G.S. 24 APRIL 1961, 303–20
Coastal morphology, SEA WAVES AND BEACH CUSPS: M. S. Longuet-Higgins and D. W. Parkin, 194–201
Cole, M., *South Africa*, 222–3
Colbert, E. H. *Dinosaurs*, 560
Collins, R. O., *The southern Sudan, 1883–1898: a struggle for control*, 529–30
Colombia, glaciology, I.G.Y., 120
*Colonial Research Studies* no. 29, *see* Lang, D. M.
Colwell, R. N., ed., *Manual of photographic interpretation*, 357
Commonwealth, *The living Commonwealth:* ed. K. Bradley, 238–9
Conference on Economic Regionalization in Kazimierz (Poland) May 29–June 1, 1959, Papers, *see* Geography, Economic
Congested Districts Board, Irish Republic, 192
Congo, Belgian, *King Leopold's Congo:* R. Slade, 530
Congrès nationale des Sociétés Savantes, 85me, *Actes*, sect. géogr. 3–50, 359
Cook, J. *The journals of Captain James Cook. Vol. II: The voyage of the* Resolution *and* Adventure *1772–1775:* ed. J. C. Beaglehole, *rev. art.* by G. S. Ritchie, 73–6
—, *The first voyage round the world of Captain James Cook: the voyage on the* Endeavour *1768–71:* tr. into Russian A. V. Shalygina, ed. Ya. M. Svet and N. G. Morozovskiy, 236
Cooper, P. F., *Island of the lost*, 231–2
Coppock, J. T., *The Chilterns*, 511–2
Cornwall, coastal cliffs, 304
Coromandel, *see* India
*Cosmographie*, by P. Heylyn, 495–7
Costa, L., and plan of Brasília, 16–7
Côte d'Azur, *Naturalist's riviera:* A. N. Brangham, 559
Cressey, G. B., *Soviet potentials*, 520–1
Crone, G. R., THE FUTURE OF THE INTERNATIONAL MILLION MAP OF THE WORLD, 36–8
—, EARLY CARTOGRAPHIC ACTIVITY IN BRITAIN, 406–10
—, 'JEWELLS OF ANTIQUITIE': THE WORK OF THE HAKLUYT SOCIETY, 321–4
—, *Maps and their makers*, 2nd ed., 562–3
—, *The explorers: an anthology of discovery*, 234–5
—, obit. of Prof. R. Almagià, 367–8
—, obit. of J. Bartholomew, 254
—, obit. of Sir J. M. Wordie, 122–4
—, remarks on 'Origins of the Ordnance Survey of Great Britain', 430
—, *see* Holland, G. S.

Cross, D. A. E., letter on 'The sarsens of Stonehenge', 127; correction to, 251
Crowland Fens, land utilization survey, *see* England
Crozet and Kerguelen Ids, *Mischief among the penguins*, H. W. Tilman, 108
—, 'Voyage to the Îles Crozet and Kerguelen', letter by W. L. N. Tickell, 125
*Cuniculi*, Ager Veiantanus, 394
Cusps, Beach, *see* Coastal morphology

Dainville, F. de, *Le premier atlas de France. Le Theatre Françoys*, 359
Dammen, Alpefjord, Greenland, strandlines, 43–8
Darby, Prof. H. C., remarks on 'Origins of the Ordnance Survey of Great Britain', 426
—, remarks on 'A geographer with the World Health Organization', 490, 491
Davies, B. G., letter on 'Exhibition of Irish maps', 372–3
Davies, K. G., ed. *see* Ogden, P. S.
Davis, Antarctica, 174 *et seq.*
Davis Islands, 179
Davis, S. G., THE RURAL–URBAN MIGRATION IN HONG KONG AND ITS NEW TERRITORIES, 328–33
Deacon, G. E. R., awarded Agassiz Medal, 245
Deal, land utilization survey, *see* England
Debenham, F. and Burns W. A., *Illustrated world geography*, 238
Dee, J. and Mercator, 202
De Geerfjellet, position, 60
Delaware valley, *Dutch explorers, traders and settlers in the Delaware Valley 1609–1664:* C. A. Weslager, 537–8
Denmark, *Atlas över Danmark:* N. Nielsen, 358
Dept. of Native Agriculture, Southern Rhodesia, *see* Anderson, R.
Department of Scientific and Industrial Research, Hydraulics Research Station, field studies on loose-boundary processes in the Wash, 457
Derbyshire, *see* Peak District
Derbyshire, E., letter on 'Knob Lake Field Research Centre', 371–2
Derruau, M., *Précis de géographie humaine*, 354
Desert, Spinifex, and aborigines, 6 *et seq.*
Deserts, *see* Arid Zones
Despois, J., *La Tunisie*, 90–1
Devon, coastal cliffs, 304
—, *see* Baggy Point
Dewhurst, J. F., and others, *Europe's needs and resources: trends and prospects in eighteen countries*, 212
Dickinson, R. E., *The West European city*, 2nd ed.; rev., 515–6
Dictionary, *see* Terminology
*Dinosaurs:* E. H. Colbert, 560
Diving, Aqualung, *see* British Isles
Dixey, F., 'The morphology of the earth,' *rev. art.*, 507–10
Dobby, E. H. G., *Monsoon Asia*, 84–5
Dodge, E. S., *Northwest by sea*, 239–40
Dogs, used in Antarctica, 131
Donnelly, A. S., *see* Pierce, R. A.
Doran, W. E., remarks on 'The old coastline of the Wash', 472–3
Doreen, Mt., Australia, aborigines, 1–2, 10
Dowlands, coastal cliffs, 306; landslip, 315–6
Dowsett, C. J. F., 'A new Atlas of Armenia', *rev. art.*, 336–9
Drifting stations, *see* Arctic
Drummond, R. N., and others, letter on 'Knob Lake Field Research Centre', 125–6
Dunwich, coastal cliffs, 304
Dupuis, J., *Madras et le nord du Coromandel*, 84
Dury, G. H., appointed to Chair of Geography, University of Sydney, Australia, 117
Dwyer, D. J., THE PEAT BOGS OF THE IRISH REPUBLIC: A PROBLEM IN LAND USE, 184–93
Dyos, H. J., *Victorian suburb: a study of the growth of Camberwell*, 76–7
Dzhungarskiy Alatau, *see* Alatau

Earl, S., *The hills of the boasting woman*, 560
Earth, *see* Geomorphology
Earth's crust, *see* Mohole
East Pakistan Geographical Society, Monograph no. 1, *see* Khan, F. K.
Economic cartography, *see* Cartography
Ecuador, D. A. Preston's thesis on Chota valley, 575
—, cinchona tree, 433
Edinburgh Symposium on Rural Settlement, October, 1961, 247
Edwards, K. C., *The Peak District*, 513–4
Egyptian Equatorial Province, *see* Sudan
Embleton, C., *Snowdonia*, 511–2
Encyclopaedias, Geographical, *see* World
England, *Second land utilization survey of Britain. Sheets 174 (Deal), 192 (Isle of Thanet), 264 (Princes Risborough) 499 (Crowland Fens)*, 210
—, *Ancient fields:* H. C. Bowen, 340
—, beach cusps, 194–201
—, eighteenth cent. county surveying, 415–6
England and Wales, *Central Advisory Water Committee: Sub-Committee on Information on Water Resources, Final Report*, 1962, rev. art. by A. A. Miller, 505–7
—, Gough Map, 407
—, map proposed by Leland, 1546, 407
—, map by Nowell, 407–9
—, Saxton's county maps, 412
—, *see* British Isles
English cartography, *see* Cartography, Historical
Erhardt, J. and Rebmann, J., map of eastern Africa, used by Speke, 385–6
Erosion, Sea, *see* Coastal cliffs
Eskimos, *Book of the Eskimos:* P. Freuchen, 352–3
Ethiopia, *The Prester John of the Indies:* F. Alvarez, ed. C. F. Beckingham and G. W. B. Huntingford, 91
Etruria, ETRUSCAN TOWNS, ROMAN ROADS AND MEDIEVAL VILLAGES: THE HISTORICAL GEOGRAPHY OF SOUTHERN ETRURIA: J. Ward-Perkins, 389–405; countryside today, 402–3; Etruscan cities, fields and forests, 391–7; Roman roads and farms, 397–9; medieval villages, 399–402
Europe, *A geography of Europe:* ed. G. W. Hoffman, 514–5
—, *Air freight and Anglo-European trade:* K. R. Sealy and P. C. L. Herdson, 76
*Europe, Central: a regional and human geography:* A. F. A. Mutton, 78–9
Europe, Western, *The West European city: a geographical interpretation*, 2nd ed., rev: R. E. Dickinson, 515–6

—, *Europe's needs and resources: trends and prospects in eighteen countries:* J. F. Dewhurst and others, 212
Evans, C., and photographs of Mount Everest region, 54
Evans, G., remarks on 'The old coastline of the Wash', 474
Evans, I. O., *The observer's book of flags*, 356
Evelyn, J., quoted on smoke in London, 279–80
—, and P. Heylyn, 495
Everest, A NEW MAP OF THE MOUNT EVEREST REGION: G. S. Holland and G. R. Crone, 54–7
Evolution, *Reflections of Darwinian:* Sir G. de Beer, 560
Exmoor, coastal cliffs, 306
Expedition reports, 571–2
Exploration: *The explorers: an anthology of discovery:* G. R. Crone, 234–5
*Exploration Review:* Feb., 1962, note on, 252
*Exposé des travaux de l'I.G.N.*, *see* Institut Géographique National

Fage, J. D., *see* Oliver, R.
Falkenberg, J., *Kin and totem*, 542–3
Farmer, B. H., remarks on 'Cambridge expedition to British Honduras', 172
Fearn, H., *An African economy: a study of the economic development of the Nyanza Province of Kenya, 1903–53*, 346–7
Ferguson, J., *Kashmir*, 559
Fergusson, Sir B., appointed Governor-General of New Zealand, 115
Field Survey Association, prize, 366
Finland, *Atlas över Skärgårds-Finland*, 241
Finlay, I., *The Lothians*, 355–6
Fishing, in coastal waters of Spanish Sahara and Mauritania, 498 *et seq.*
Flags, *The observer's book of flags:* I. O. Evans, 356
Fleming, P., *Bayonets to Lhasa*, 87–8
Flemming, N. C., *see* Kidson, C.
Fletcher Scholarship, 363
Fleure, H. J., *Guernsey*, 511–2
Flint, R. F., *see* Longwell, C. R.
Florey, Sir Howard, speech at Annual Dinner, 383–4
Folkestone Warren, landslips, 310, 315
Foncin, M., awarded Gill Memorial, 245, 376–7
Food and Agriculture Organization, United Nations, *Agricultural Studies*, no. 49, 1960, 527–9
Forbes, D., *The heart of Nepal*, 524
Forbes Watson, J., and cinchona tree, 433
Foster, Sir W., and Hakluyt Society, 323
*Fram*, 131
France, *Le premier atlas de France. Le Theatre Françoys:* F. de Dainville, 359
—, coastal cliffs, 304
—, in Heylyn's *Microcosmos*, 495
—, *see* Massif Central
Freeman, T. W., *A hundred years of geography*, 335
Freiston, Lincolnshire, salt-marsh edges, 457, 459, 462–4, 470
French Equatorial Africa, *see* Africa
Freuchen, P., *Book of the Eskimos*, 352–3
Fryxell, F., *see* Matthes, F.
Fullard, H., ed., *Cassell's new atlas*, 109
Fuller, A. H., *Buarij: portrait of a Lebanese Muslim village*, 215–6
Fuller, J., ed., *Coast and karst in Istria Rossa*, 341–2
Fyfe, C., *A history of Sierra Leone*, 530–1

Gardiner, R. A., quoted on Million Map of the World, 36–7
Gardner, W., and origins of Ordnance Survey, 416–19; and Board of Ordnance, 418–20; 1-inch map of Sussex, 421–2; and Trigonometrical Survey, 422
Gascoigne, Sir J., made K.C.M.G., 115
Gasherbrum IV, *Karakoram: the ascent of Gasherbrum IV:* F. Maraini, 343–4
Gelfand, M., *Northern Rhodesia in the days of the charter*, 222
Geographical Association, Annual conference, 1962, 247–8
*Geographical Congress in Stockholm, The 19th:* ed. A. N. Baranov and I. P. Gerasimov, 239
Geographical education, note on 'Sample studies', ed. R. C. Honeybone and H. L. Widdup, 576–7
Geography, *A hundred years of geography:* T. W. Freeman, *rev. art.* by H. Steers, 335–6
—, *Transactions and papers 1961. Institute of British Geographers*, 236–7
—, *see* Terminology; World
Geography, Economic, *Problems of economic region: Papers of the Conference on Economic Regionalization in Kazimierz (Poland) May 29–June 1, 1959, (Prace Geograficzne* no. 27) 214–15
Geography, Economic, *The geography of economic activity:* R. S. Thoman, 556–7
—, *Comparisons in resource management:* ed. H. Jarrett, 555–6
Geography, Historical, *Atlantic crossings before Columbus:* J. F. Pohl, 239–40
—, *see* Hakluyt
Geography, History of, 'GEOGRAPHIE IS BETTER THAN DIVINITIE': E. W. Gilbert, 494–7
—, *The concept of location in Classical geography:* F. Lukerman, 554
Geography, Human, *Précis de géographie humaine:* M. Derruau, 354
—, *L'homme sur la terre:* M. Sorre, 355
Geography, Physical, *Fundamentals of physical geography:* G. J. Trewartha, *et al*, 547
Geography, Urban, *Précis de géographie urbaine:* P. George, 103
—, *see* Settlement geogr.
Geology, *Introduction to physical geology*, 2nd ed.: C. R. Longwell and R. F. Flint, 547–8
—, *see* International INQUA Congress; Mohole; Photogeology
Geomorphology, *The morphology of the earth:* L. C. King, *rev. art.* by F. Dixey, 507–10
George, P., *Précis de géographie urbaine*, 103
Gerasimov, I. P. and others, *Sovetskaya geografiya*, 79–80
—, *see* Baranov, A. N.
Germany, *Geschichte der Kartographie des deutschen Südwestens:* R. Oehme, 358–9
—, *Germany, its geography and growth:* K. A. Sinnhuber, 518–19

—, *Luftbild und Küstengeographie am Beispiel der deutschen Nordseeküste:* H. G. Gierloff-Emden, 341
—, geological maps, 361
—, *see* University town
Gershevsky, N. D., tr., *see* Suslov, S. P.
Ghana, *Die geographischen Grundlagen der Wirtschaft Ghanas unter besonderer Berücksichtigung der agrarischen Entwicklung:* W. Manshard, 532–3
*Ghana Ministry of Food and Agriculture, Scientific Services Division, Soil and Land Use Survey Branch, Memoir* no. 2, 1961, 347
—, *Soils of the lower Tano basin, south-western Ghana:* P. M. Ahn, 347
—, *The food economies of urban middle Africa: the case of Ghana:* T. T. Poleman, 221
Gierloff-Emden, H. G., *Luftbild und Küstengeographie am Beispiel der deutschen Nordseeküste*, 341
Gilbert, E. W., 'GEOGRAPHIE IS BETTER THAN DIVINITIE', 494–7
—, The university town in England and West Germany, 514
Glacier maps, *see* America, North
*Glaciological studies during the I.G.Y.*, *see* Alatau
Glaciology, Smith-Guile panorama head, 248–9
Globe, National Geographic, 113
*Globe, The*, no. 39, 1962, note on, 252
Glossary, *see* Terminology
*Gloucestershire and Bristol atlas, A*, 244
Godwin, Prof. H., remarks on 'The old coastline of the Wash', 473
Goldsmith's College, Geography Department, Bulletin, *see Meridian*
Gona Zhou Rhe, expedition, 572
Goodspeed, T. H., *Plant hunters in the Andes*, 541–2
Gottmann, J., *Megalopolis*, 534–5
Gough Map, 407
Gough, R., and eighteenth century surveys, 416, 417
Gozo, *see* Malta
Grant, C. H. B., *see* Mackworth-Praed, C. W.
Grant, H. T., letter on 'Die Landschaften von Nordost-Honduras', 252–3
Grant, J. A., and Speke, J. H., 387
Gray, R., *A history of the southern Sudan 1839–1889*, 220–1
Gream, T., 1-inch map of Sussex, 421–2
Great Barrier Reef, research on, 249
Great Britain, THE ORIGINS OF THE ORDNANCE SURVEY IN GREAT BRITAIN: R. A. Skelton, 415–30
—, *The geography of communications in Great Britain:* J. H. Appleton, 511
—, *The town:* G. Martin, 554–5
—, Trigonometrical Survey, 420–2
—, *see* Land Use Survey; Ordnance Survey; University town
Great Sandy Desert, 2 *et seq.*
*Greece and the islands:* E. and B. Whelpton, 559
—, karst regions, 365
Greek geography, *see* Geography, History of
Greenland, *see* Scoresby Land
Grønland, E., *Norway in English*, 342
Gruvel, Prof. A., study of fishing in coastal waters of Spanish Sahara and Mauritania, 498
Gudelis, V., *see* Neistadt, M.I.
*Guernsey:* H. J. Fleure, (*British landscape through maps*, no. 3), 511–12
Guile, P., and Smith-Guile panorama head, 248–9
Gunter, E. and Mercator's Projection, 202
Guyot, C., *L'hydrologie*, 232

Hacker, J. M., *Modern Amman*, 215–16
Hadhramaut, *Hadramaut: Bevölkerung und Wirtschaft im Wandel der Gegenwart:* A. Leidlmair, 522–3
Hagen, T., *Nepal: the kingdom in the Himalayas*, 86–7
Hakluyt, *Richard Hakluyt. Voyages in eight volumes:* introd. J. Masefield, 556
Hakluyt Society, 'JEWELLS OF ANTIQUITIE'; THE WORK OF THE HAKLUYT SOCIETY: G. R. Crone, 321–4
Hale, G. A., *see* Spencer, J. E.
Hall, P. G., *The industries of London since 1861*, 339–40
Hamilton, H., ed., *The Third Statistical Account of Scotland: the County of Aberdeen*, 210–11
Hamilton, W. R., ('Sourdough'), *The story of the Yukon*, 352
Hampshire, *see* Christchurch Bay
Hardy, J. R., paper at Coastal Cliffs Symposium, 318
Hare, F. K., letter on 'Knob Lake Field Research Centre', 371
Hariot, T., and Mercator's Projection, 202
Harland, W. B. and Masson-Smith, D., CAMBRIDGE SURVEY OF CENTRAL VESTSPITSBERGEN, 58–70
Harley, J. B., remarks on 'Origins of the Ordnance Survey of Great Britain', 427–8
Harris, A., *The rural landscape of the East Riding of Yorkshire, 1700–1850*, 513
Harris Tweed, note on article by H. A. Moisley, reprinted from *Economic Geography*, 122
Harrisson, T., awarded Founder's Medal, 245, 374
Hauser, G., *White mountain and tawny plain*, 355
Hawkins, E. K., *Roads and transport in an underdeveloped country: a case study of Uganda*, 534
Hay, Sir R., obit., 255
'Heartland', Sir H. Mackinder's concept of, 19–20
Heat-island, London, 289 *et seq.*
Hempstone, S., *The new Africa*, 219
Henry Islands, Antarctica, 181–2
Herdson, P. C. L., *see* Sealy, K. R.
Hereford World Map, 406–7
Heseltine, N., *Remaking Africa*, 218
Heylyn, P., and his *Microscosmos* and *Cosmographie*, 494–7
Hill, P. A., letter on 'The sarsens of Stonehenge', 372
Hillary, Sir E., leader of Himalayan Scientific and Mountaineering Expedition 1960–1, 447–56
Hilton, N., 'Technology, economy and society in a long-settled area', reprinted from *Rural sociology*, vol. 26, 1961, no. 4, 251
HIMALAYAN SCIENTIFIC AND MOUNTAINEERING EXPEDITION, 1960–1: THE SCIENTIFIC PROGRAMME: L. G. C. E. Pugh, 447–56

—, acclimatization, 454–5; effect of altitude on physiology, 450–2; heating and cooking, 453–4; medical aspects, 454 meteorology, 449–50; Mingbo glacier, 449; nutrition of expedition, 452–3; physical performance of Sherpas, 452; use of oxygen equipment, 455, 456; *see* Everest
*Himalayan pilgrimage:* D. Snellgrove, 343
Hinks, A. R., quoted on Million Map of the World, 38
Hofer, E., 'Arctic Riviera', referred to, 39, 41
Hoffman, B. G., *Cabot to Cartier*, 239–40
Hoffman, G. W., *A geography of Europe*, 514–15
Holbeach, Lincolnshire, salt-marsh edges, 464–6
Holderness, coastal cliffs, 304
Holford, Sir W., BRASÍLIA: THE FEDERAL CAPITAL OF BRAZIL, 15–8
Holland, South, Lincolnshire, salt-marsh edges, 457 *et seq.*, 466–70
Holland, G. S. and Crone, G. R., A NEW MAP OF THE MOUNT EVEREST REGION, 54–7
—, and map of central West Spitsbergen, 59
*Holocene problems: a symposium of papers for the VIth International INQUA Congress:* ed. M. I. Neistadt and V. Gudelis, 343
Holtedahl, O., ed., Geology of Norway, (*Norges Geologiske Undersøkelse*, no. 208), 213
Honduras, letter on 'Die Landschaften von Nordost-Honduras', by H. T. Grant, 252–3
—, letter on 'Die Landschaften Nordost-Honduras', by J. Thorpe, 253–4
Honeybone, R. C. and Widdups, H. L., eds., 'Sample studies', note on, 576–7
Hong Kong, THE RURAL-URBAN MIGRATION IN HONG KONG AND ITS NEW TERRITORIES: S. G. Davis, 328–33
Hong Kong University Geographical, Geological and Archaeological Society, note on, 119–20
Hooson, D. J. M., A NEW SOVIET HEARTLAND? 19–29
—, corrections to sketch-map accompanying 'A new Soviet heartland', 251
Horn of Africa, *see* Africa, Horn of
Hosmer, W., Bindibu expedition, 6
Howard, L., on climate of London, 279
Hudson Bay Record Soc. Publ., *see* Ogden, P. S.
Hudson Island, Antarctica, 179
Hunt, Sir J. and Sugden, J., AN EXPEDITION TO THE STAUNINGS ALPER, SCORESBY LAND, 39–48
—, obit. of C. W. F. Noyce, 578–9
—, remarks on 'Himalayan Scientific and Mountaineering Expedition, 1960–1', 456
Hunt, P. J., awarded Cuthbert Peek Grant, 245, 376
Hunter, G., *The new societies of tropical Africa*, 525–6
Huntingford, G. W. B., ed., *see* Alvarez, F.
Hutchings, G. E., *Landscape drawing*, 106–7
Hutchinson, H. N., on Benkendorf's supposed expedition, 444
Hutchinson, J. N., remarks on 'The old coastline of the Wash', 474–55
Huts, *see* Prefabricated hut
Hydrography, *Marine cartography in Britain: a history of the sea chart to 1855:* A. H. W. Robinson, 561–2
Hydrology, *L'hydrologie:* C. Guyot, 232

*Ifaluk atoll, The natural history of:* Physical *environment:* J. I. Tracey and others, 230
I.G.Y., *see* International Geophysical Year
Imperial College Exploration Society, *Exploration Review*, Feb., 1962, note on, 252
India, CLEMENTS ROBERT MARKHAM AND THE INTRODUCTION OF THE CINCHONA TREE INTO BRITISH INDIA, 1861: D Williams, 431–42
—, *Blossoms in the dust:* K. Nair, 107
—, *Madras et le nord du Coromandel:* J. Dupuis, 84
—, *A time in India:* C. R. Smith, 559
—, *Ladies in the sun: the memsahib's India:* J. K. Stanford, 559
—, *The lotus and the robot:* A. Koestler, 217–8
—, *see* Uttar Pradesh
India Office, and cinchona tree, 433, 440
Indigirka River, Benkendorf's supposed expedition, 443–6
Industrial archaeology, *see* Archaeology, Industrial
INQUA, *see* International INQUA Congress
Institut Français d'Afrique Noire, Mémoire 61, *see* Mauny, R.
Institut Géographique National, *Exposé des travaux de l'I.G.N.*, 1960, 244
—, exhibition of maps, 110
Institute of British Geographers, *Transactions and papers 1961*, 236–7
International Bank for Reconstruction and Development, *The economic development of Tanganyika*, 349–50
—, *see* Venezuela
International Cartographic Association, *Bulletin*, no. 1, 1962, 360
International Geographical Congress, 20th, London, 1964, 117–18
International Geogr. Union: Regional conference in Malaya 1962, 364–5
International Geophysical Year, *I.G.Y.: the year of the new moons:* J. Tuzo Wilson, 353
—, *see* Alatau
International INQUA Congress, VIth, *Holocene problems:* ed. M. I. Neistadt and V. Gudelis, 343
International Million Map, note on conference, Bonn, 1962, 563–4
—, *see* Cartography
International Speleological Congress, Third, 1961, 120–1
International Symposium on Arctic Geology, First, *see* Raasch, G. O., ed.
Ireland, THE PEAT BOGS OF THE IRISH REPUBLIC: A PROBLEM IN LAND USE: D. J. Dwyer, 184–93
Irish maps, letter on 'Exhibition of Irish maps', by B. G. Davies, 372–3
Irish Sea Ice, 308–9
Ise, J., *Our National Park policy*, 77
Isle of Wight, *see* Seagrove Bay
*Istria Rossa, Coast and karst in:* ed. J. Fuller, 341–2
Italy, *see* Etruria
Izbirak, R., *Geomorphologische Beobachtungen im oberen Kizilırmak- und Zamanti-Gebiet*, 524

*Jacobsen-McGill Arctic research expedition to Axel Heiberg Island, Preliminary report of the:* F. Muller and others, ed. B. S. Muller, 230–1
Jan Mayen, note on early discovery and inhabitation, 365–6
Japan, *The lotus and the robot:* A. Koestler, 217–8

Jarrett, H., ed., *Comparisons in resource management*, 555–6
Jätzold, R., *Aride und humide Jahreszeiten in Nordamerika*, 535–6
Jelgersma, S., *Holocene sea level changes in the Netherlands*, 519–20
Jersey, described by P. Heylyn, 495
Johnson, A. M., ed., *see* Ogden, P. S.
Jones, J. W. and Hakluyt Society, 322
Jones, M. F. R., obit., 577–8
Jordan, *see* Amman
Journal of the Geographical, Geological and Archaeological Society, University of Hong Kong, note on, 119–20
*Journal of the Geological Society of Australia*, vol. 8, pt. 1, 543–4

Karakoram, *see* Gasherbrum
—, Trivor, 344
*Kashmir:* J. Ferguson, 559
Kazakh SSR, Academy of Sciences, *Glaciological studies during the I.G.Y.: Ziliyskiy and Dzhungarskiy Alatau*, no. 1, 521–2
Kédia d'Idjil, iron ore and Port Étienne, 502
Keer, P. van der, and Norden, J. 413
Keevil, Sir A., made K.B.E., 115
Keltie, J. S. and establishing School of Geography in London, 33
Kemp, P. K. and Lloyd, C., *The brethren of the coast*, 236
Kennedy, R. F., ed., *see* Baines, T.
Kenya, *An African economy: a study of the economic development of the Nyanza Province of Kenya, 1903–53*, H. Fearn, 346–7
Kerguelen Id., *see* Crozet
Kestner, F. J. T., THE OLD COASTLINE OF THE WASH, 457–78
Khan, F. K., ed., *Land use in Rampal Union*, (East Pakistan Geographical Society, Monograph no. 1), 85–6
Kidson, C., Steers, J. A. and Flemming, N. C., A TRIAL OF THE POTENTIAL VALUE OF AQUALUNG DIVING TO COASTAL PHYSIOGRAPHY ON BRITISH COASTS, 49–53
—, remarks on 'The old coastline of the Wash', 474
—, remarks at Coastal Cliffs Symposium, 316–17
Killick, J., *The China Bird: the history of Captain Killick and one hundred years of sail and steam:* D. R. MacGregor, 104–5
Kimai, Australia, 146 *et seq.*, 262–3
King, C. A. M., *The Yorkshire Dales*, 511–12
—, remarks on 'The old coastline of the Wash', 473–4
—, remarks at Coastal Cliffs Symposium, 317–18
King, L. C., *The morphology of the earth*, 507–10
King William Id., *Island of the lost:* P. F. Cooper, 231–2
Kirk-Greene, A. H. M., ed., *Barth's travels in Nigeria*, 347–8
Kirwan, L. P., accepts Chairmanship of Governing Council of British Institute of History and Archaeology in East Africa, 118
Kjaerheim, S., ed., *Fridtjof Nansen Brev, 1882–1905*, 208–9
'Knob Lake Field Research Centre', letter by R. N. Drummond and others, 125–6
—, letters by F. K. Hare and E. Derbyshire, 371–2
Koestler, A., *The lotus and the robot*, 217–18
Kohistan, *see* Swat Kohistan
Kohn, C. F., *see* Powers, W. E.
Kondracki, J., *see* Lencewicz, S.
Kong Oskars Fjord, Greenland, and expedition to Scoresby Land, 41
Körber, P., mentions Benkendorf's supposed expedition, 443–4
Koven Leffingwell, E. de, *see* Leffingwell, E. de K.
Kundjari, Australia, 143 *et seq.*
—, nomadic aborigines, 10–11
Kuznetsk basin, coal reserves, 26

Labbi-labbi, 265 *et seq.*
Laborde, E. D., obit., by E. W. H. Briault, 255
Lake District, *The English Lake District:* F. J. Monkhouse, (*British landscape through maps*, no. 1), 511–12
*Landscape drawing:* G. E. Hutchings, 106–7
Landslips, *see* Coastal cliffs
Land use, *see* Agriculture; Arid zones
Land Use Survey, note on, 572–3
Lang, D. M., *Soils of Malta and Gozo*, (*Colonial Research Studies* no. 29), 80–1
Lapland, expedition, *see* Bristol University
Large, R. G., *Prince Rupert: a gateway to Alaska*, 108
Latin America, *see* America, Latin
Latin America Travel Fund, award to D. A. Preston, 575
La Vendée, *see* Vendée
*Law and contemporary problems*, vol. 25, *see* Population
Law, P., NEW ANARE LANDINGS IN AUSTRALIAN ANTARCTIC TERRITORY 1960, 174–83
Learmonth A. T. A., remarks on, 'A geographer with the World Health Organization', 492–3
Lebanon, *see* Buarij
Ledger, C., and cinchona tree, 439
Leffingwell, E. de K., travels in Arctic, 366
Legget, R. F., *Soils in Canada*, 351
Leidlmair, A., *Hadramaut: Bevölkerung und Wirtschaft im Wandel der Gegenwart*, 522–3
Lencewicz, S. and Kondracki, J., *Geografia fizyczna Polski*, 213–4
Lewis Island, 174–5
Lieuwen, E., *Venezuela*, 541
Leland, J., proposed map of England and Wales, 1546, 407
Lily, G., and 1546 map of British Isles, 411
Lincolnshire, salt-marsh edges around the Wash, 457 *et seq.*
Lindsay, M., created Baronet, 115
Lister, H., awarded Mrs. Patrick Ness Award, 245, 377
*Livingstone's missionary correspondence:* ed. I. Schapera, 223–4
Lloyd, C., *see* Kemp, P. K.
Lluyd, H., map of 1573, 409–10
Łodyński, M., *Centralny katalog zbiorów w Polsce, I*, 359
LONDON'S URBAN CLIMATE: T. J. Chandler, 279–302
—, *Civitas Londini:* J. Norden, (facsimile), 113–14
—, *The industries of London since 1861:* P. G. Hall, 339–40
London Institute of Geography, THE ROYAL GEOGRAPHICAL SOCIETY AND THE PROJECTED LONDON INSTITUTE OF GEOGRAPHY 1892–1899, 30–5

London Topographical Society, Publication no. 94, *see* Norden, J.
London, University, 1961 Beerenberg Expedition, 118–19
Longuet-Higgins, M. S. and Parkin, D. W., SEA WAVES AND BEACH CUSPS, 194–201
Longwell, C. R. and Flint, R. F., *Introduction to physical geology*, 2nd ed., 547–8
Loose-boundary processes, salt-marsh edges around the Wash, 457–78
Lorimer, D. L. R., obit. by S. Naish, 369–70
Lothians, *see* Scotland
*Louisiana State University Studies, Coastal Studies Series* no. 5, 350–1
Loveday, A. F., *Three stages of history in Rhodesia*, 348–9
Lowenthal, D., *The West Indies Federation*, 95
Lower Tano basin, *see* Ghana
Luke, Sir H., *Islands of the south Pacific*, 545
Lukerman, F., *The concept of location in Classical geography*, 554
Luncke, B., air photographs of West Spitsbergen, 58

*Macdonald Illustrated Library, Vol. 1: Science, chemistry, physics, astronomy, Vol. 2: Nature, earth, plants, animals:* ed. J. Bronowski, 108
McColl, W., Bindibu expedition, 6
McDonald, E. A., awarded Patron's Medal, 245, 374
McGill Sub-Arctic Research Laboratory, *see* Knob Lake Field Research Centre
MacGregor, D. R., *The China Bird: the history of Captain Killick and one hundred years of sail and steam*, 104–5
Mackay, Lake, Australia, aborigines, 1 *et seq.*
MacKie, E. W., remarks on 'Cambridge expedition to British Honduras', 172–3
Mackinder, Sir H., concept of 'heartland', 19–20
—, and teaching of geography, 30 *et seq.*
Mackworth-Praed, C. W. and Grant, C. H. B., *Birds of eastern and north eastern Africa*, 2nd ed., 223; *Birds of the southern third of Africa*, 223
McMaster, D. N., *A subsistence crop geography of Uganda*, 533–4
Madagascar, *Zoo quest to Madagascar:* D. Attenborough, 356
Madras, *see* India
*Magga Dan*, 174 *et seq.*
Major, R. H. and Hakluyt Society, 322
Makalu, expedition 1960/61, 447 *et seq.*
Malaria eradication in Africa, 479–93
Malay Peninsula, *The Golden Khersonese:* P. Wheatley, 88–9
Malaya, International Geogr. Union: Regional conference in Malaya 1962, 364/5
*Malta: background for development:* H. Bowen-Jones and others, 80–1; correction to review, 251
—, *Soils of Malta and Gozo:* D. M. Lang (Colonial Research Studies no. 29), 80–1
Mammoths, Siberia, history of finds, 443–6
*Manchester Review*, note on, 122
Mangrove cays, *see* Cays
*Manitoba, Economic atlas of:* ed. T. R. Weir, 242–3
Manley, G., *Geography: our planet, its peoples and resources*, 238
—, remarks on 'Origins of the Ordnance Survey of Great Britain', 428–9
—, remarks on 'London's urban climate', 298–9
Manshard, W., *Die geographischen Grundlagen der Wirtschaft Ghanas unter besonderer Berücksichtigung der agrarischen Entwicklung*, 532–3
Maps, *see* Cartography
Maraini, F., *Karakoram: the ascent of Gasherbrum IV*, 343–4
Marine cartography, *see* Hydrography
Marine charts, *see* Charts, Marine
Markham, Sir C., and proposed London School of Geography, 34
—, and Hakluyt Society, 322–3
Markham, C. R., (*later Sir C.*) and introduction of cinchona tree into British India, 431–42
Marsh, Z., *East Africa through contemporary records*, 531–2
Martin, G., *The town*, 554–5
Masefield, J., *Richard Hakluyt. Voyages in eight volumes*, 556
Massif Central, *Fastness of France:* B. Morgan, 517
Masson-Smith, D., *see* Harland, W. B.
Matthes, F., *François Matthes and the marks of time:* F. Fryxell, 537
Maudling, R., speech at Annual Dinner, 378–9
Mauny, R., *Tableau géographique de l'ouest africain au Moyen Age*, (Institut Français d'Afrique Noire, Mémoire 61), 219–20
Mauriennè, *see* Albiez-le-Vieux
Mauritania, fishing in coastal waters, 498 *et seq.*
Mauritius, *Coastal plant geography of Mauritius:* J. D. Sauer, 350–1
—, *Social policies and population growth in Mauritius:* R. Titmuss and B. Abel-Smith, 350–1
—, *The economic and social structure of Mauritius:* J. E. Meade and others, 350–1
Maya, archaeology, 159
Mead, Prof. W. R., remarks on 'Origins of the Ordnance Survey of Great Britain', 429
—, 'New light on Nansen,' *rev. art.*, 208–9
—, appointed Professor of Geography, University College London, 117
Meade, J. E. and others, *The economic and social structure of Mauritius*, 350–1
*Mededelingen van de Geologische Stichting*, Ser. C, vol. 6, no. 7, 1961, 519–20
Megalopolis, *see* United States
Meira Penna, J. O., quoted on Brazil's new capital, 15
Melbourne, Univ., news, 568–9
Mendelsohn, F., *The geology of the Northern Rhodesian copperbelt*, 92
Mensforth, E., remarks on 'Himalayan Scientific and Mountaineering Expedition, 1960–1', 456
MERCATOR, GERARD: A.D. 1512–1594: E. G. R. Taylor, 201–2
—, and Nowell, 407–9
—, map of 1564, relationship to other maps, 409–10
—, explanation of signs on map of Europe, 411
*Meridian*, Bulletin of the Geography Department of Goldsmith's College, no. 2, note on, 122
Mesopotamia, *Atlas of Mesopotamia:* M. A. Beek, 523
Mestersvig, Greenland, and expedition to Scoresby Land, 41 *et seq.*

*Meteorology for glider pilots:* C. E. Wallington, 101
—, *The challenge of the atmosphere:* O. G. Sutton, 550
Meulen, D. van der, *see* Van der Meulen, D.
Mexico, *Spirit of Mexico:* B. Miles, 355
*Mexico: revolution to evolution 1940–1960:* H. F. Cline, 539–40
*Mexico about 1850:* C. Sartorius, 538–9
—, *Unknown Mexico:* L. Whishaw, 560
—, *El enigma del Xoloitzcuintli:* N. P. Wright, 95
—, *see* Yucatan
Michigan, University of, *Anthropological Papers, Museum of Anthropology, no. 14*, 215
*Microcosmos*, by P. Heylyn, 494 *et seq.*
Middendorf, A. Th., on Benkendorf's supposed expedition, 444
Middle East, *Dust in the lion's paw*: F. Stark, 216–7
—, *Faces in Shem:* D. van der Meulen, 82–3
—, *The population of Hither Asia:* S. I. Bruk, 243–4
Middlesex, Norden's map, signs, 412–3
Migliorini, E., *L'esplorazione del Sahara*, 90
Migrant labourers, and malaria, in Africa, 479–93
Miles, B., *Spirit of Mexico*, 355
Milled peat, Irish Republic, 186
Miller, A. A., 'The national demand for water in England and Wales,' *rev. art.*, 505–7
—, remarks on 'London's urban climate', 298 *et seq.*
Miller, C. F., *see* Miller, V. C.
Miller, H., *The air-conditioned nightmare*, 536
Miller, K., *Die Peutingersche Tafel*, 564
Miller, V. C. and C. F., *Photogeology*, 551
Million Map of the World, *see* Cartography
Mills, E. J. E., journeys in Swat Kohistan, 363–4; obit., by M. E. B. Banks, 577–8
Milne, H. F., air photographs of Mount Everest region, 54
Mingbo region, expedition 1960/61, 477 *et seq.*
—, glacier, 449
Moffat, *Robert Moffat: a pioneer in Africa:* C. Northcott, 223–4
Mohole, *A hole in the bottom of the sea:* W. Bascom, 233–4
Mohorovičić, *see* Mohole
Moisley, H. A., article on Harris Tweed, note on, 122
Money, D. C., *South America: Advanced Level Geography, Book 3*, 228
Monkhouse, F. J., *The English Lake District*, 511–2
Morfa Bychan, coastal cliffs, 307–8
Morgan, B., *Fastness of France*, 517
Morozovskiy, N. G., *see* Cook
Mt. Doreen Station, 262
Mountford, C. P., *Records of the American–Australian scientific expedition to Arnhem Land: II. Anthropology and nutrition*, 229
Mudge, W., and 18th-cent. English county surveying, 415–6
Muller, B. S. ed., *see* Muller, F.
Muller, F. and others, ed. B. S. Muller, *Preliminary report of the Jacobsen–McGill Arctic research expedition to Axel Heiberg Island*, 230–1
Müller-Wille, W., *Die Stadt Oldenburg als Standort einer Universität*, 554–5
*Münchner Geographische Hefte*, 22, 1962, 524
Munro, D. G., *The Latin American Republics*, 3rd ed., rev., 540–1
Murchison, R. I., and Speke, J., 387–8
Murray, G. W., obit. of P. A. Clayton, 254–5
Mutton, A. F. A., *Central Europe: a regional and human geography*, 78–9

Nair, K., *Blossoms in the dust*, 107
Naish, S., obit. of D. L. R. Lorimer, 369–70
Nansen, *Fridtjof Nansen Brev, 1882–1905:* ed. S. Kjaerheim, *rev. art.* by W. R. Mead, 208–9
Natal, *see* Tugela Basin
Nathan, Lord, remarks on 'Scott's Northern Party', 140 *et seq.*
—, remarks on 'Etruscan towns, Roman roads and medieval villages', 404
National Geographic Globe, 113
National Geographic Society, *see* National Geographic Globe
National Geological Institute of Bogotá, glaciological work in Colombia, 120
Natural resources, *see* Geography, Economic
Neame, A., *see* Stanley, R.
Neistadt, M. I. and V. Gudelis, eds., *Holocene problems: a symposium of papers for the VIth International INQUA Congress*, 343
Nepal, *The heart of Nepal:* D. Forbes, 524
*Nepal: the kingdom in the Himalayas:* T. Hagen, 86–7
—, note on population, 574–5
Ness, Mrs P., obit., 370
Netherlands, *Holocene sea level changes in the Netherlands:* S. Jelgersma, 519–20
Newbury, C. W., *The western Slave Coast and its rulers*, 220–1
New Certificate Geography Series, *see* Robinson H.
New England, University of, news, 569
New Guinea, *Geological results of petroleum exploration in western Papua, 1937–1961*, 543–4
New Guinea, Netherlands, *My father was a cannibal:* S. Bergman, tr. E. Ramsden, 560
New Territories, *see* Hong Kong
Newtontoppen, whether highest mountain in Spitsbergen, 62
New Zealand, *Distance looks our way*, 560
Nicaragua, *Ecological land use surveys in Nicaragua:* B. W. Taylor, 96–7
Nicholls, D., *Taxonomy and geography*, 548–9
Nielsen, N., ed., *Atlas över Danmark*, 358
Niemeyer, O., and architecture of Brasília, 16
Nigeria, malaria eradication, 479 *et seq.*
—, movement of people and malaria, 488
—, *see* Barth
Nikitin, M. M., *Soviet drifting stations for scientific research*, 342–3
Nile, discovery of source 1862, 363
—, Speke and discovery of sources, 385 *et seq.*
Nile Centenary Festival, 363
*Nimrod*, 130, 131
Norden, J., *Civitas Londini*, (fascimile issued as Publication no. 94, London Topographical Society), 113–4
—, signs on maps, 412 *et seq.*
—, map of Middlesex, signs, 412–3
Norfolk, *The status of fen and the origin of the Norfolk Broads:* M. Pallis, 558–9
—, salt-marsh edges around the Wash, 457 *et seq.*
—, coastal cliffs, 304, 305–6, 311
—, *see* Scolt Head Island

*Norges Geologiske Undersøkelse*, nr. 208, *see* Holtedahl, O., ed.
Northcott, C., *Robert Moffat*, 223–4
North Magnetic Pole, and Sir J. C. Ross, 325–6
*Northern Universities Geographical Journal*, no. 3, 1962, note on, 252
North-west Passage, *Northwest by sea:* E. S. Dodge, 239–40
*Northwestern University Studies in Geography*, no. 4, *see* Thomas, F. H.
*Norway, Geology, of:* ed. O. Holtedahl, (*Norges Geologiske Undersøkelse*, nr. 208), 213
*Norway in English:* E. Grønland, 342
Norwich, Bishop of, remarks on 'Scott's Northern Party', 141
*Norwich and its region:* ed. F. Briers, 512–3
Nowell, L., map of England and Wales, 407–9; and Mercator, 407–9
Noyce, C. W. F., *To the unknown mountain: the ascent of Trivor*, 344; obit. by Sir John Hunt, 578–9
Nutrition, in Himalaya, 452–3
Nyanza Province, *see* Kenya
Nyasa, Lake, and Speke, 386
Ny Friesland, photogrammetric survey, 62–3
—, central, triangulation of, 59–62

Oceanography, *The ocean:* F. D. Ommanney, 108; *see* Atlantic; Hydrography; Mohole; Vancouver, G.
Odyssey, *Géographie de l'Odyssée; La Phéacie:* A. Rousseau-Liessens, 105
Oehme, R., *Geschichte der Kartographie des deutschen Südwestens*, 358–9
Ogden, P. S., *Peter Skene Ogden's Snake Country journal, 1826–27:* ed. K. G. Davies and A. M. Johnson, 536–7
Ogilby, J., map of Kent, explanation of signs, 414
Oldenburg, *Die Stadt Oldenburg als Standort einer Universität:* W. Müller-Wille, 554–5
Oliver, J., appointed to Chair of Geography, University of Khartoum, 117
Oliver, R. and Fage, J. D., *A short history of Africa*, 526–7
Ommanney, F. D., *The ocean*, 108
Ordnance Survey, 360; *Annual Report, 1961–2*, 564; origins, 415–26; cartographic symposium, 110–3
Orissa, *Tribe, caste and nation:* F. G. Bailey, 87
Ortelius, map of 1570, 409–10
Ostrovsky, B., and Benkendorf's supposed expedition, 445
Overseas Geological Surveys, *Report 1960–1*, note on, 575
Oxford, and geography in the 17th C., 494 *et seq.*
Oxford Committee for Famine Relief, conferences, note on, 252
Oxford University, Fletcher Scholarship, 363
Oxygen equipment, use in Himalaya, 455, 456

*Pacific Islands, The discovery of the:* A. Sharp, 229
—, *Pacific Island terraces: eustatic?* A symposium organised by R. J. Russell, 98
—, *Islands of the south Pacific:* Sir H. Luke, 545
—, *The brethren of the coast: the British and French buccaneers in the South Seas:* P. K. Kemp and C. Lloyd, 236
Pacific, *Atoll environment and ecology:* H. J. Wiens, 544–5
—, *see* Polynesians
*Pacific Viewpoint*, vol. 2, no. 1, *see* Agriculture
Pakistan, *see* Swat Kohistan
Pakistan, East, *see* Rampal Union
Pallis, M., *The status of fen and the origin of the Norfolk Broads*, 558–9
Parker, M. C., awarded Training College Prize 1961, 115
Parkin, D. W., *see* Longuet-Higgins, M. S.
Parry, M., remarks on 'London's urban climate', 300
Parry, Sir W. E., and Sir J. Ross, 325–6
Parsons, E. J. S., remarks on 'Origins of the Ordnance Survey of Great Britain', 426
Pavlovskiy, E. N., telegram to R.G.S. on 50th anniversary of Scott's arrival at South Pole, 119
*Peak District, The:* K. C. Edwards, 513–4
Peale, T. R., *Titian Ramsay Peale 1799–1855 and his journals of the Wilkes expedition:* J. Poesch, 231
Peat bogs, Ireland, 184–93
Pédelaborde, P., *L'agriculture dans les plaines alluviales de la presqu'île de Saint-Germain-en-Laye*, 517–8
Pedro, Infante Dom, *The travels of the Infante Dom Pedro of Portugal:* F. M. Rogers, 102
Péguy, P., *Précis de climatologie*, 100
Penck, Prof. A., and Million Map of the World, 36, 38
Penguins, Antarctica, 134–5
Permanent Committee on Geographical Names, and names on map of Mount Everest region, 54, 56
Perriertoppen, whether highest mountain in Spitsbergen, 62
Peru, cinchona tree, 434
—, Andes, *White mountain and tawny plain:* G. Hauser, 355
Petersen, W., *Population*, 234
Petherick, J. and Speke, J., 387–8
Peutinger Table, *Die Peutingersche Tafel:* K. Miller, 564
*Photogeology:* V. C. Miller and C. F. Miller, 551
Photogrammetry, *see* Photographic interpretation
*Photographic interpretation, Manual of:* ed. R. N. Colwell, 357
Physiology, effects of altitude in Himalaya, 450–2
Pierce, R. A. and Donnelly, A. S. *Cities of Central Asia*, 522
Plant geogr., *Die Vegetation der Erde in ökologischer Betrachtung. I. Die tropischen und subtropischen Zonen:* H. Walter, 548
—, *see* Andes
Poesch, J., *Titian Ramsay Peale 1799–1855 and his journals of the Wilkes expedition*, 231
Pohl, J. F., *Atlantic crossings before Columbus*, 239–40
Poland, *Centralny katalog zbiorów kartograficznych w Polsce, I:* M. Łodyński, 359
—, *Geografia fizyczna Polski:* S. Lencewicz and J. Kondracki, 213–4
Poleman, T. T., *The food economies of urban middle Africa: the case of Ghana*, 221
Polezhayer, A. P., article on mapping the U.S.S.R. in *Canadian Surveyor*, 361–2
Pollution, *see* Atmospheric pollution
Polynesians, *Aristocrats of the South Seas:* A. Russell, 355

*Population:* W. Petersen, 234
*Population control, (Law and contemporary problems*, vol. 25), 101–2
PORT ÉTIENNE: A MAURITANIAN PIONEER TOWN: R. J. H. Church, 498–504; future mineral port, 502–4; fish-drying industry, 500–2
Post, L. van der, *see* Van der Post, L.
Powers, W. E. and Kohn, C. F., *Aerial photo-interpretation of landforms and rural cultural features in glaciated and coastal regions*, 106
*Prace Geograficzne*, no. 27, *see* Geography, Economic
Pratt, J. G. D., *Trans-Antarctic expedition, 1955–8: Scientific reports. No. 2: A gravity traverse of Antarctica. No. 3: Seismic soundings across Antarctica*, 98–9
Pred, A., *see* Berry, B. J. L.
Prefabricated hut, used in Himalaya, 448
Preston, D. A., award from Latin America Travel Fund and thesis on Chota valley, 575
Price, M. P., obit. of D. Carruthers, 368–9
Priestley Glacier, Antarctica, fossils, 135
Priestley, Sir Raymond, THE PRESIDENTIAL ADDRESS, 1962, 257–61; SCOTT'S NORTHERN PARTY, 129–42; remarks at A.G.M., 374 *et seq.*; speech at Annual Dinner, 379–81; obit. of V. Stefansson, 579–80; obit. of Sir J. B. Adams, 367
*Prince Rupert: a gateway to Alaska:* R. G. Large, 108
Princes Risborough, land utilization survey, *see* England
Prothero, R. M., A GEOGRAPHER WITH THE WORLD HEALTH ORGANIZATION, 479–93
—, *see* Barbour, K. M.
Pugh, L. G. C. E., HIMALAYAN SCIENTIFIC AND MOUNTAINEERING EXPEDITION, 1960/61: THE SCIENTIFIC PROGRAMME, 447–56
Pye, N., remarks on 'London's urban climate', 299
Pyle, R. L., *Serial atlas of the marine environment. Folio 1: Sea surface temperature in the western north Atlantic 1953–54*, 549–50
Pyrenees, *Pays basque français et Barétous:* G. Viers, 77–8

Quinine, *see* Cinchona

Raasch, G. O., ed., *Geology of the Arctic: Proceedings of the First International Symposium on Arctic Geology*, 204–7
Radioactive tracers, and landslips, 313
—, and movement of materials under water, 51
Rambaud, P., *Économie et sociologie de la montagne: Albiez-le-Vieux en Maurienne*, 517–8
*Rampal Union, Land use in:* ed. F. K. Khan, 85–6
Ramsden, E., tr., *see* Bergman, S.
Ratajski, L. and Winid, B., *Economic cartography*, 241–2
Rattray, J. M., *The grass cover of Africa*, 527–9
Rawson, D. S., remarks at Coastal Cliffs Symposium, 313
Rebmann, J., *see* Erhardt, J.
Rees, H., *Australasia*, 542
Reefs, British Honduras, 161–9
Refugees, Hong Kong, 328
Regional planning, *Raumforschung*, 551–2
Regional Science Research Institute, Philadelphia, Bibliography Series, no. 1, 'Central Place Studies', 576
Rendezvous Cay, British Honduras, 160–1
*Researches in the history of geography*, Kyoto, vol. 2, 1962, 359
Resource management, *see* Geography, Economic
Rhinoceros, Woolly, feeding habits compared to mammoth's, 443
Rhodesia, *Three stages of history in Rhodesia:* A. F. Loveday, 348–9
Rhodesia, Northern, *Northern Rhodesia in the days of the charter:* M. Gelfand, 222
—, *The geology of the Northern Rhodesian copperbelt:* ed. F. Mendelsohn, 92
Rhodesia, Southern, *An agricultural survey of Southern Rhodesia, Part I:* V. Vincent and R. C. Thomas, *Part II:* R. Anderson and Dept. of Native Agriculture of Southern Rhodesia, 527–9
Rhodesia, Southern movement of people and malaria, 488
—, *see* Gona Zhou Rhe
Rhodesian Schools Exploration Society, note on expedition to Gona Zhou Rhe, 572
Richmond, Duke of, and origins of Ordnance Survey, 415–26
—, and Trigonometrical Survey, 420–2
—, memorandum from W. Roy, 423–6
Richmond, Prof. I., remarks on 'Etruscan towns, Roman roads and medieval villages', 404–5
Riley, Q., remarks on 'Scott's Northern Party', 141–2
Ritchie, G. S., 'Cook's voyage in the *Resolution* and *Adventure*', *rev. art.*, 73–6
Robinson, A. H. W. *Marine cartography in Britain: a history of the sea chart to 1855*, 561–2
Robinson, H., *Latin America*, (New Certificate Geography Series, Advanced Level), 540
Rodger, E. M., *The large-scale county maps of the British Isles*, 113
Rogers, F. M., *The travels of the Infante Dom Pedro of Portugal*, 102
Rolwaling, Sola Khumbu, expedition 1960/61, 447 *et seq.*
Roman roads, *see* Etruria
Ross, SIR JAMES CLARK, 1800–1862: A. Savours, 325–7
Rousseau-Liessens, A., *Géographie de l'Odyssée: La Phéacie*, 105
Rowan, E. *Wild flower hunter: the story of Ellis Rowan:* H. J. Samuel, 356
Roy, W., and origins of Ordnance Survey, 415–26
—, plans for National Survey of England, 419–20
—, Trigonometrical Survey, 420–2
—, memorandum to Duke of Richmond, 423–6
*Royal Commonwealth Society, Biography catalogue of the library of the:* D. H. Simpson, 105
Royal Geogr. Soc., Annual Dinner, 377–84
—, Annual General Meeting 1962, 374–7
—, applications for grants, 362, 565
—, conferences held at Society's House 1961, 115–6
—, contributors to *Journal*, 116–7, 245, 363, 565–6
—, exhibition of French mapping, 110, 115

Royal Geogr. Soc., expeditions in the field 1961, 249–51
—, G.C.E. geography prizes, 565
—, *Journal* a hundred years ago, 70, 203, 334, 504
—, Latin America Travel Fund, award to D. A. Preston, 575
—, map of central Vestspitsbergen, 58 *et seq.*
—, map of Mount Everest Region, 54–7
—, medals and awards, 245
—, meetings: session 1961–62, 127–8, 256, 373–4, 580; session 1962–3, 580–2
—, new members of the Council, 362
—, THE PRESIDENTIAL ADDRESS: Sir Raymond Priestley, 257–61
—, and J. H. Speke, 385 *et seq.*
—, telegrams received on occasion of Scott anniversary, 140
—, telegram from President of Geographical Society of the U.S.S.R. on 50th anniversary of Scott's arrival at South Pole, 116
—, Training College Prize 1961 awarded to M. C. Parker, 115
—, University Essay Prize 1961, 362–3
—, *see* London Institute of Geography
Royal Society of Canada, *Special Publications* no. 3, 351
Royle, F., and cinchona tree, 432
Rural settlement, Edinburgh symposium on, October 1961, 247
—, *see* Agriculture
*Rural sociology*, vol. 26, 1961, no. 4, *see* Hilton, N.
Russell, A., *Aristocrats of the South Seas*, 355
Russell, R. C. H., paper at Coast Cliffs Symposium, 313–5
Russell, R. J., *Pacific Island terraces: eustatic?* 98
Russo–Swedish Arc of Meridian Survey, and Ny Friesland, 60
Ruttledge, H., obit. by E. Shipton, 124–5

Sadler, M. and Sir H. Mackinder, 30
Sahara, *L'esplorazione del Sahara:* E. Migliorini, 90
—, *The awakening Sahara:* N. Bodington, 90
—, *Sahara story:* E. Ward, 559–60
Sahara, Spanish, fishing in coastal waters, 498 *et seq.*
St. Brendan, *Land to the west: St. Brendan's voyage to America:* G. Ashe, 239–40
*Saint-Germain-en-Laye, L'agriculture dans les plaines alluviales de la presqu'île de:* P. Pédelaborde, 517–18
Salt-marsh advance, The Wash, 457–78
Samuel, H. J., *Wild flower hunter: the story of Ellis Rowan*, 356
Sand cays, *see* Cays
Sandford, J. K. *Ladies in the sun: the memsahibs' India*, 559
Sandford, K. S., 'Some conceptions of Arctic regional geology', *rev. art.*, 204–7
Sarsens, *see* Stonehenge
Sartorius, C., *Mexico about 1850*, 538–9
Sauer, J. D., *Coastal plant geography of Mauritius*, 350–1
Savours, A., SIR JAMES CLARK ROSS, 1800–1862 325–7
Saxton, county maps, lack of legends, 412
Schapera, I., ed., *Livingstone's missionary correspondence*, 223–4
Scherhag, R., *Einführung in die Klimatologie*, 100–1
*Schlernschriften*, no. 217, 1961, 516
*Science, chemistry, physics, astronomy. Nature, earth, plants, animals,* (*Macdonald Illustrated Library*, vols. 1 and 2): ed. J. Bronowski, 108
Scolt Head Island, aqualung diving used in coastal physiography, 49–53
Scoresby Land, AN EXPEDITION TO THE STAUNINGS ALPER, SCORESBY LAND: Sir J. Hunt and J. Sugden, 39–48
Scotland, *The Lothians:* I. Findlay, 355–6
—, coastal cliffs, 303
—, *Third Statistical Account, see* Aberdeen
SCOTT'S NORTHERN PARTY. THE SCOTT MEMORIAL LECTURE: Sir R. Priestley, 129–42
—, telegrams received on occasion of Scott anniversary, 140
Sea charts, *see* Hydrography
Sea defences, 313 *et seq.*
Sea erosion, *see* Coastal cliffs
Sea floor, *see* Mohole
Sea level changes, *see* Netherlands
Seagrove Bay, landslip, 311
Sealy, K. R. and Herdson, P. C. L., *Air freight and Anglo-European trade*, 76
Sefstroms Gletscher, Greenland, and strandlines, 47–8
Seine-et-Oise, *see* Saint-Germain-en-Laye
Seligman, G., 'Snow structure and ski fields', reprinted, 366
Settlement geogr., *Einführung in die Siedlungsgeographie:* W. Brünger, 554–5
Shackleton, Lord, speech at Annual Dinner, 381–3
Shafi, M., *Land use in eastern Uttar Pradesh*, 85–6
Shalygina, A. V., tr., *see* Cook, J.
Sharp, A., *The discovery of the Pacific Islands*, 229
Sheard, J. W., note on early discovery and inhabitation of Jan Mayen, 365–6
Shellard, H. C., remarks on 'London's urban climate', 300
Sherpas, physical performance in Himalaya, 452
Shingle, 199–200
Ships, *see* Killick, J.
Shipton, E., obit. of H. Ruttledge, 124–5
Siberia, AN EXPEDITION THAT NEVER WAS—BENKENDORF'S EXPEDITION TO THE RIVER INDIGIRKA: B. A. Tikhomirov, 443–6
Sierra Leone, *A history of Sierra Leone:* C. Fyfe, 530–1
Sierra Nevada, *François Matthes and the marks of time. Yosemite and High Sierra:* F. Fryxell, 537
Sillery, A., *Africa: a social geography*, 525
Silva Futado, S. de, *Estudo das cartes históricas da mapoteca da diretoria do Serviçio Geográfico*, 114
'Silver Hut', used in Himalaya, 448
Simpson, C., *Adam in ochre*, 542–3
Simpson, D. H., *Biography catalogue of the library of the Royal Commonwealth Society*, 105
Simpson, G., *Fur trade governor: George Simpson 1820–1860:* J. W. Chalmers, 94
Sinnhuber, K. A., *Germany, its geography and growth*, 518–19
Sitwell, S., *Golden wall and mirador*, 356
Skelton, R. A., THE ORIGINS OF THE ORDNANCE SURVEY OF GREAT BRITAIN, 415–30
—, and Hakluyt Society, 321

Slabczynski, W., ed., *Pawel Edmund Strzelecki: pisma wybrane*, 557–8
Slade, R., *King Leopold's Congo*, 530
Slave Coast, *The western Slave Coast and its rulers:* C. W. Newbury, 220–1
Sloss, L. L. and others, *Lithofacies maps: an atlas of the United States and southern Canada*, 107
Smith, C. R., *A time in India*, 559
Smith, P., and Smith-Guile panorama head, 248–9
Smith, W., signs on maps, 412–13
Smith-Guile panorama head, 248–9
Smoke, London, 280 *et seq.*
Snake Country, *see* United States
Snellgrove, D., *Himalayan pilgrimage*, 343
*Snowdonia:* C. Embleton, (*British landscape through maps*, no. 5), 511–12
Société Industrielle de la Grande Pêche, Port Étienne, 500–2
Sod-peat, Irish Republic, 186
Sokoto Province, Nigeria, migrant labour and malaria, 479 *et seq.*
Sola Khumbu, expedition, 1960/61, 447 *et seq.*
Somalia, malaria eradication, 482 *et seq.*
Sorre, M., *L'homme sur la terre*, 355
'Sourdough', *see* Hamilton, W. R.
South Pole, SCOTT'S NORTHERN PARTY: Sir R. Priestley, 129–42
South Seas, *see* Pacific; Polynesians
Soviet drifting stations, *see* Arctic
Spaerre Gletscher, Greenland, and Dammen strandlines, 47
Spaerre river, Greenland, kames, 46
Spain, *Images of Spain:* J. Cleugh, 355
Sparks, B. W., awarded Back Grant, 245, 376
Speke, JOHN HANNING SPEKE: J. N. L. Baker, 385–8
—, and discovery of source of Nile, 363
—, centenary and *Uganda Journal*, 575–6
Speleology, Deuxième Congrès International de Spéléology, Actes du Congrès, tome 1, section 1, *see* British Isles
—, *see* International Speleological Congress
Spencer, J. E. and Hale, G. A., *The origin, nature and distribution of agricultural terracing*, 235–6
Spinifex desert, *see* Desert, Spinifex
Spitsbergen, highest mountain, 62; place-names, 65; *see* West Spitsbergen
Stamp, L. D., ed., *A glossary of geographical terms*, 71–3
—, *A history of land use in arid regions*, 552–3
—, remarks on 'Origins of the Ordnance Survey of Great Britain', 428
Stanley, *The exploration diaries of H. M. Stanley:* ed. R. Stanley and A. Neame, 224–5
Stanley, R. and A. Neame, *The exploration diaries of H. M. Stanley*, 224–5
Stark, F., *Dust in the lion's paw*, 216–17
Statesman's Year Book, 1962, note on, 577
Staunings Alper, *see* Scoresby Land
Steel, Prof. R., remarks on 'A geographer with the World Health Organization', 491–2
Steers, H., 'A history of geography', *rev. art.*, 335–6
Steers, J. A., paper at Coastal Cliffs Symposium, 303–7; 319–20
—, remarks on 'The old coastline of the Wash', 472, 476–7
—, remarks on 'Cambridge expedition to British Honduras', 171–2
Steers J. A., *see* Kidson, C.
Stefansson, V., obit., by R. E. Priestley, 579–80
Steiner, D., *Die Jahreszeit als Faktor bei der Landnutzung-Interpretation auf panchromatischen Luftbildern*, 341
Stoddart, D. R., remarks on 'Cambridge expedition to British Honduras', 173
—, *see* Thorpe, J. E.
Stonehenge, 'The sarsens of Stonehenge', letter by D. A. E. Cross, 127
—, letter on 'The sarsens of Stonehenge', by P. A. Hill, 372
—, correction to letter on 'The sarsens of Stonehenge', by D. A. E. Cross, note on, 251
Strzelecki, *Pawel Edmund Strzelecki: Pisma Wybrane:* ed. W. Slabczynski, 557–8
Stuart, J. M., note on centenary of crossing of Australia, 575–4
Subtropics, vegetation, *see* Plant geogr.
*Sudan, The Republic of the:* K. M. Barbour, 89–90
—, *The southern Sudan, 1883–1898: a struggle for control:* R. O. Collins, 529–30
—, *A history of the southern Sudan, 1839–1889:* R. Gray, 220–1
—, Republic of the, movement of people and malaria, 488–9
Sugden, J., *see* Hunt, Sir J.
Sukachev, V. N., analysis of contents of Berezovka mammoth's stomach, 443 *et seq.*
Surveying, Field Survey Association, prize, 366
Suslov, S. P., *Physical geography of Asiatic Russia*, tr. N. D. Gershevsky, ed. J. E. Williams, 82
Sussex, eighteenth-century surveys, 416–17
—, 'Great Survey', 417
—, 1-inch map by Gardner and Gream, 421
—, University news, 570
Sutton, O. G., *The challenge of the atmosphere*, 550
Svalbard, *see* West Spitsbergen
Svet, Ya. M., ed., *see* Cook, J.
Swan, R. A., *Australia in the Antarctic*, 546
Swat Kohistan, journeys of E. J. E. Mills, 363–4
Sweden, official maps, 360
Sweet, L. E., *Tell Toqaan: a Syrian village*, 215
Sweeting, M. M., remarks on 'Cambridge expedition to British Honduras', 172
—, 'Report on the geo-morphogeny of the Parnassos-Chiona region of Greece', 365
Switzerland, *Die Jahreszeit als Faktor bei der Landnutzung-Interpretation auf panchromatischen Luftbildern:* D. Steiner, 341
—, note on Swiss National Atlas project, 563
Syria, *see* Tell Toqaan
Systematics Association, *Publn. no. 4*, 548–9

Tanganyika, *The economic development of Tanganyika:* Report of a mission organized by the International Bank for Reconstruction and Development, 349–50
Tanganyika, movements of people and malaria, 485 *et seq.*
Tanganyika, Lake, and Speke, 386
Tano basin, *see* Ghana
Taxonomy, *see* Biology
Taylor, B. W., *Ecological land use surveys in Nicaragua*, 96–7
Taylor, E. G. R., GERARD MERCATOR 1512–94, 201–2
—, quoted on G. Abbot, 494
—, quoted on Heylyn's *Cosmographie*, 495

Taylor, G., made Knight Bachelor, 115
*Tell Toqaan: a Syrian village:* L. E. Sweet, 215
Terminology, *A glossary of geographical terms:* ed. L. D. Stamp, *rev. art.* by J. K. Wright, 71–3
*Terra Nova*, 129 *et seq.*
Terraces, Agricultural, *see* Agriculture
Terry, M., in Western Australia, 4
Ters, M., *La Vendée littorale*, 212–3
Thanet, Isle of, land utilization survey, *see* England
*Theatre Françoys*, 359
Thoman, R. S., *The geography of economic activity*, 556–7
Thomas, F. H., *The Denver and Rio Grande western railroad*, (*Northwestern University Studies in Geography*, no. 4), 227–8
Thomas, L., *Sir Hubert Wilkins*, 557–8
Thomas, R. C., *see* Vincent, V.
Thompson, V. and Adloff, R., *The emerging states of French Equatorial Africa*, 346
Thomson, D. F., THE BINDIBU EXPEDITION. EXPLORATION AMONG THE DESERT ABORIGINES OF WESTERN AUSTRALIA, I. THE APPROACH, 1–14; II. KIMAI-LABBI-LABBI, 143–57; III. The BINDIBU, 262–78
Thorpe, J. E. and Stoddart, D. R., CAMBRIDGE EXPEDITION TO BRITISH HONDURAS, 158–73
—, Letter on 'Die Landschaften Nordost-Honduras', 253–4
—, *see* Carr, D.
Thorrington-Smith, E., *Towards a plan for the Tugela Basin*, 92–3
Tibet, *Bayonets to Lhasa:* P. Fleming, 87–8
Tickell, W. L. N., letter on 'Voyage to the Îles Crozet and Kerguelen', 125
Tide Mill, beach cusps, 194 *et seq.*
Tides, *Ebbe und Flut:* G. Sager, 232–3
Tikhomirov, B. A., AN EXPEDITION THAT NEVER WAS—BENKENDORF'S EXPEDITION TO THE RIVER INDIGIRKA, 443–6
Tilman, H. W., *Mischief among the penguins*, 108
Titmuss, R. and Abel-Smith, B., *Social policies and population growth in Mauritius*, 350–1
Tooley, R. V., remarks on 'Origins of the Ordnance Survey of Great Britain', 428
Totaquinine, 439
Toynbee, A. J., *Between Oxus and Jumna*, 216–7
Tracers, *see* Radioactive tracers
Tracey, J. I. and others, *The natural history of Ifaluk atoll: Physical environment*, 230
*Transactions and papers, see* Institute of British Geographers
Trans-Antarctic expedition, 1955–8, *see* Antarctica
Trewartha, G. J. *et al.*, *Fundamentals of physical geography*, 547
Trivor, *To the unknown mountain: the ascent of Trivor:* W. Noyce, 344
Troll, C., awarded Victoria Medal, 245, 374–5
Tropics, vegetation, *see* Plant geography
*Tuberales*, truffle found in Western Australia, 154
*Tugela Basin, Towards a plan for the:* E. Thorrington-Smith, 92–3
Tunisia, *About Tunisia:* J. Anthony, 107
—, *La Tunisie:* J. Espois, 90–1
Turf Development Board, Irish Republic, 187
Turkey, *Geomorphologische Beobachtungen im oberen Kızılırmak- und Zamanti-Gebiet:* R. Izbirak, 524
Tyrol, *Geographische Studien über Mensch und Siedlung in Südtirol*, (*Schlernschriften* no. 217), 516

Uganda, *A subsistence crop geography of Uganda:* D. N. McMaster, 533–4
—, *Roads and transport in an underdeveloped country:* E. K. Hawkins, 534
—, movement of people and malaria, 487–8
Uganda Geographical Association, 119
*Uganda Journal*, and Speke centenary, 575–6
Ujiji, Lake, and Speke, 386
Ukerewe, Lake, and Speke, 386–7
U.S.S.R., A NEW SOVIET HEARTLAND? D. J. M. Hooson, 19–29
—, corrections to sketch-map in 'A new Soviet heartland', by D. J. M. Hooson, 251
—, *Soviet potentials: a geographic appraisal:* G. B. Cressey, 520–1
—, *Sovetskaya geografiya:* ed. I. P. Gerasimov and others, 79–80
—, *Physical geography of Asiatic Russia:* S. P. Suslov, tr. N. D. Gershevsky, ed. J. E. Williams, 82
—, mapping, 361–2
—, Geographical Society and 50th anniversary of Scott's arrival at South Pole, 116
—, expedition, *see* Bristol University
United Nations, *see* Food and Agriculture Organization
United States, *Megalopolis: the urbanized north-eastern seaboard of the United States:* J. Gottmann, 534–5
—, *Our National Park policy:* J. Ise, 77
—, *Peter Skene Ogden's Snake Country journal, 1826–27:* ed. K. G. Davies and A. M. Johnson, 536–7
—, *The air-conditioned nightmare:* H. Miller, 536
—, *U.S. Regional Cartographic Conference for Asia and the Far East, Second, Vol. 2*, 243
—, *The Denver and Rio Grande western railroad:* F. H. Thomas, 227–8
—, 'National Atlas Project', 244
—, atlas, *see* America, North
*University town in England and West Germany, The:* E. W. Gilbert, 514
—, *see* Oldenburg
University Essay Prize 1961, 362–3
Urban geogr., *see* Regional Science Research Institute
*Uttar Pradesh, Land use in eastern:* M. Shafi, 85–6

Vancouver, G., *Surveyor of the sea: the life and voyages of Captain George Vancouver:* B. Anderson, 103
Van der Meulen, D., *Faces in Shem*, 82–3
Van der Post, L., *The heart of the hunter*, 107
*Van Riebeeck Society Publications, vol. 42*, 529
Vegetation, *see* Plant geography
Veii, Etruria, 397 *et seq.*, 401–2, 403
Vélasquez, C., *La Cerveyrette*, 340–1
*Vendée littorale, La:* M. Ters, 212–3
Venezuela, *The economic development of Venezuela: Report of a mission organized by the International Bank for Reconstruction and Development*, 97–8
—, *Venezuela:* E. Lieuwen, 541

—, *Geográfia de Venezuela. Vol. I: El territorio nacional y su ambiente físico:* P. Vila, 97–8
Vestspitsbergen, *see* West Spitsbergen
Via Cassia, 398
Via Clodia, 398
Via Flaminia, 398
Victoria, Lake, and Speke, 385 *et seq*
Victoria Nyanza, *see* Victoria, Lake
Viers, G., *Pays Basque français et Barétous*, 77–8
Vila, P., *Geográfia de Venezuela. Vol. I. El territorio nacional y su ambiente físico*, 97–8
Vincent, V. and Thomas, R. C., *An agricultural survey of Southern Rhodesia, Pt. 1*, 527–9
Vista Books, *The town:* G. Martin, 554–5
Volga-Baykal zone, possible heartland of U.S.S.R., 20–9

Wahl, E., *This land: a geography of Canada*, 225
Waimbirr'ŋi, Australia, 147
Walberi tribe, Australia, 2, 145
Wales, coastal cliffs, 303–4
—, Local Welsh Ice, 308–9
Wallington, C. E., *Meteorology for glider pilots*, 101
Walter, H., *Die Vegetation der Erde in ökologischer Betrachtung. I. Die tropischen und subtropischen Zonen*, 548
Warburton, P. E., quoted on Australian aborigines, 1, 2
Ward, E., *Sahara story*, 559–60
Ward, M. P., climbing of Ama Dablan, 447
—, remarks on 'Himalayan Scientific and Mountaineering Expedition, 1960–1', 456
Ward, W. H., paper at Coastal Cliffs Symposium, 309–13
Ward-Perkins, J., ETRUSCAN TOWNS, ROMAN ROADS AND MEDIEVAL VILLAGES: THE HISTORICAL GEOGRAPHY OF SOUTHERN ETRURIA, 389–405
Warwick, G. T., *The characteristics and development of the limestone regions in the British Isles with special reference to England and Wales*, 211
Wash, THE OLD COASTLINE OF THE WASH: F. J. T. Kestner, 457–78
Water supply, *see* England and Wales
Weir, T. R., ed., *Economic atlas of Manitoba*, 242–3
Welsh, D. R., tr., *see* Beek, M. A.
Went, Prof. F. W., on Australian aborigines, 4, 145
Weslager, C. A., *Dutch explorers, traders and settlers in the Delaware Valley*, 537–8
*West Indies Federation, The:* ed. D. Lowenthal, 95
West Spitsbergen, CAMBRIDGE SURVEY OF CENTRAL VESTSPITSBERGEN: W. B. Harland and D. Masson-Smith, 58–70
—, classified list of papers on geology of area covered by Cambridge Survey, 68–70
—, list of maps overlapping area of Cambridge Survey, 66–7
—, secondary triangulation by artillery director, 64–5
—, topographical work of expeditions used in Cambridge Survey, 67–8
—, *see* Ny Friesland
Wheatley, P., *The Golden Khersonese*, 88–9
Wheeler, Sir O., obit., 370
Whelpton, E. and B., *Greece and the islands*, 559
Whishaw, L., *Unknown Mexico*, 560
Whyte, F. M., *Whyte's atlas guide*, 359–60
Widdup, H. L., *see* Honeybone, R. C.
Wiens, H. J., *Atoll environment and ecology*, 544–5
Wilkes expedition, *see* Peale, T. R.
Wilkes, Antarctica, 174 *et seq.*
Wilkes Land, Antarctica, 174–83
Wilkins, *Sir Hubert Wilkins: his world of adventure:* an autobiography recounted by L. Thomas, 557
Williams, D., CLEMENTS ROBERT MARKHAM AND THE INTRODUCTION OF THE CINCHONA TREE INTO BRITISH INDIA, 1861, 431–42
Williams, J. E., ed., *see* Suslov, S. P.
Wilson, J. Tuzo, *I.G.Y.: the year of the new moons*, 353
Winid, B., *see* Ratajski, L.
Wirrarigulong, 272–3
Wolferton, Norfolk, salt-marsh edges, 457, 459, 462–4, 470
Wolfson, I., created Baronet, 115
Wood, A., paper at Coastal Cliffs Symposium, 307–9
Wooldridge, S. W., remarks on 'London's urban climate', 299–300
Woolly Rhinoceros, *see* Rhinoceros
Wordie, Sir J. M., obit., by G. R. Crone, 122–4
World, *Geography: our planet, its peoples and resources:* ed. G. Manley, 238
—, *Illustrated world geography:* ed. F. Debenham and W. A. Burns, 238
World Book Encyclopedia, Chicago, sponsors of Himalayan Scientific and Mountaineering Expedition 1960–1, 447
World Health Organization, R. M. Prothero's work with Division of Malaria Eradication, 479–93
Wrangel Id., supposed discovery of mammoth, 445
Wrangle, Lincolnshire, salt-marsh edges, 457, 459, 462–4, 470
Wright, E. and Mercator's Projection, 202
Wright, J. K., 'The language of geography', *rev. art.*, 71–3
Wright, N. P., *El enigma del Xoloitzcuintli*, 95

Xoloitzcuintli, *see* Mexico
Xunantunich, 159–60

Yakutia, *see* Berezovka
Yeakell, T. and Board of Ordnance, 418–20
—, and origins of Ordnance Survey, 416–19
Yorkshire, *The rural landscape of the East Riding of Yorkshire, 1700–1850:* A. Harris, 513
—, *The Yorkshire Dales:* C. A. M. King, (*British landscape through maps*, no. 2), 511–12
—, coastal cliffs, 319
Yosemite, *see* Sierra Nevada
Younghusband, Sir F., *Bayonets to Lhasa:* P. Fleming, 87–8
Yucatan, *Geographic aspects of plantation agriculture in:* R. E. P. Chardon, 96
Yukon, *The story of the Yukon:* W. R. Hamilton, 352

Zailiyskiy Alatau, *see* Alatau
Zaklinskaya, E. D., and Benkendorf's supposed expedition, 445
Zoology, *see* Madagascar
Zoppi, V., remarks on 'Etruscan towns, Roman roads and medieval villages', 404

## INDEX TO MAPS AND PLANS


BRITISH ISLES

England, place-names of north-east England, 409; rivers of north-east England, 408
Great Britain, characteristic sheets to English maps, origins of the Ordnance Survey, 416–17
Ireland, development of Kildare-Offaly bogs, 190; Bord na Mona bog development programme, 189; peat deposits, 185
London, minimum temperature, 4 June 1959, 295; maximum temperature, 3 June, 1959, 293; smoke, average concentration, Oct. 1957–Mar. 1958, 282, April 1957–Mar. 1958, 283; smoke, average concentration, April–Sept., 1957, 281
Norfolk, Scolt Head Island, aqualung experimental site, 50

EUROPE

Italy, Etruria, 390, 395, 396
U.S.S.R., Volga-Baykal zone, industry, 22; cities that doubled population in 1926–39, 1939–59, 23; cities, 1959, 24; percentage growth of urban regions 1939–59, 24; net increase 1939–59 of population in cities of over 50,000, 25

ASIA

Himalaya, Rolwaling, 494
Hong Kong, and New Territories, 330
India, cinchona plantations 1861, 436

AFRICA

Africa, north-east, 485, 486; south of the Sahara, 483, 484; West, seasonal movements of workers, 480, 481
Mauritania, Port Étienne, 499, 500, 501, 503
Rhodesia, Southern, 488
Tanganyika, 487

SOUTH AMERICA

South America, cinchona plantations and Clement Markham's travels in forests of Caravaya, 436
Brazil, Brasília, pilot plan, 16
British Honduras, archaeological sites, 164; route of Cambridge expedition, 1959–60, 164; fault lines, 164; coral formations around Rendezvous Cay, 164; Cay Glory, 164; Hunting Cay, 164; Carrie Bow or Ellen Cay, 164

AUSTRALASIA

Australia, Bindibu expedn., 3, 144, 263; sketch-map based on observations by Donald F. Thomson, 13, 148, 273; desert ecology between Waimbirr'ŋi and Lake Hazlett, 278

POLAR REGIONS

Antarctic, South Pole, Scott's Northern Party, 132; ANARE landings in Australian Territory, 1960, 177
Greenland, Scoresby Land, Sir J. Hunt's expedn., 1959, 41
Spitsbergen, central Vestspitsbergen, Cambridge survey, 64, 65


## INDEX TO ILLUSTRATIONS AND DIAGRAMS


BRITISH ISLES

Dorset, Chesil Bank, cusp observations, 197; mean cusp spacing, 198; Isle of Wight, landslips, 312
London, average no. of days with fog, 1941–4, 285; north-east, temperature traverse 3 June 1959 (day), 292, (night), 294; differences in maximum and minimum temperatures Kensington-Wisley 1959, 288, 291; in 1921–50, 291; difference in fog frequency, Kingsway–Croydon, 1941–4, 286; difference in minimum temperatures, Westminster–Wisley, 7–14 Sept. 1959, 290
The Wash, 464–5, 458, 460, 461, 463, 464, 465, 466, 467, 471

EUROPE

Italy, Etruria, 391, 394, 395

ASIA

Himalaya, Mingbo glacier, 448; relation of maximum oxygen intake to atmospheric pressure, 452
India, Ootacamund, cinchona plants, 433

SOUTH AMERICA

Brazil, Brasília, 16–17
British Honduras, elevated beach rock, Harry Jones point, Turneffe, 160; beachrock, Northern Cay, Lighthouse Reef, 160; Rendezvous Cay, 161

AUSTRALASIA

Australia, Western, desert in August, 156; desert terrain with *grevilea* and shrubs, 4; desert with spinifex and Eucalyptus, 5; Bindibu expedn., jeep and trailer, 5; skink lizard, genus *Egernia*, 157; tree of *Hakea* sp., 148; Lake Hazlett and White, 272; Labbi-labbi rock hole, 272; 'Valley of the Great Snake', 272, ceremonial entry into, 272; Bindibu expedn., jeep 'Rudolph', 156; Bindibu clearing spinifex, 157; Bindibu drinking, 273; Bindibu hunter, 273; Bindibu tribesmen, 272; Donald Thomson at Labbi-labbi, 272; family food harvest, 272; emu and kangaroo tracks, 272; spear-throwers, 272–3; Bindibu, 'One-leg', 272; Bindibu break-wind shelters, 13, 273

POLAR REGIONS

Greenland, Sefstroms Gletscher, 49; Dammen region of Alpefjord, 50
Antarctic, Northern Party's winter quarters drawn by V. L. A. Campbell, 134; Northern Party after winter, 134; Scott's party with Amundsen's tent at South Pole, 135; Hudson Island, Vincennes Bay, 176; wrecked helicopter, 176; 'New Year's Day 1842', 326; Cape Davis, 326

GENERAL

Beach profile through cuspidal promontory, 200
Coastal cliffs, 304–5, 314
Markham, C. R., aged 25, 432
Oates, Capt., and ponies on board *Terra Nova*, 135
Ross, Sir J. C., portrait, 257
Scott, Peter, talking to children, 117
Scott, R. F., 129
Smith-Guile Panorama Head, fixed to ice axe, 248
Speke, J. H., 385